

Version C

Period _____

1A: Write each as an algebraic expression.1) 19 decreased by y

- A) $\frac{19}{y}$ B) 19^y
 C) $19y < 25$ D) $19 - y$

3) 2^3

- A) the quotient of n and 2
 B) 2 cubed
 C) n cubed
 D) 2 less than n

2) 8 increased by 7

- A) 8^2 B) $8 + 7$
 C) $\frac{8}{2}$ D) $7 - 8$

4) $12 + 5$

- A) twice 12
 B) 12 increased by 5
 C) the product of 5 and 12
 D) 5 minus 12

1B: Order of operations, evaluate each expression.5) $(-1) + (-1) + 6 - 8$

- A) -4 B) -12
 C) -10 D) 6

7) $\left(-\frac{30}{5}\right) - 7 - (-10)$

- A) -5 B) -7
 C) -3 D) -6

6) $10 - \frac{16}{(-2) + 10}$

- A) 4 B) 8
 C) 11 D) 9

8) $(1^2)\left(\frac{2}{-1}\right)$

- A) 0 B) -7
 C) 4 D) -2

1E: Distributive Property.9) $10(3n - 1)$

- A) $30n - 10$ B) $90n + 27$
 C) $-21 - 9n$ D) $90n + 23$

11) $-7(2n - 5) - 3(6 + 4n)$

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- A) $-50r + 15$ B) $-2r - 12$
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12) $2(1 - 6m) + 7(3 + 6m)$

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2A&B: Solve each equation Using Addition/Subtraction & Multiplication/Division13) $m - 4 = -24$

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2C: Solving multi-step equations

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2D: Solving equations with variable on both sides

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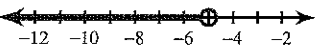
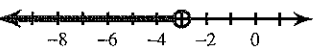
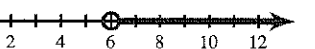
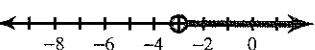
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 C) $\{7\}$ D) $\{12\}$

24) $-5(2a + 7) - 4a = -7a + 7$

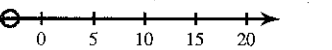
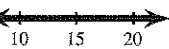
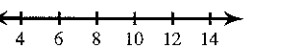
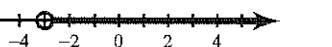
- A) $\{-12\}$
 B) { All real numbers. }
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 D) $\{6\}$

2F: Solve Multistep inequality and graph its solution.

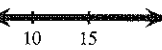
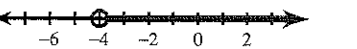
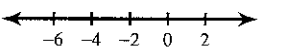
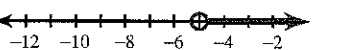
25) $5(3a - 2) < -85$

- A) $a < -5$: 
 B) $a < -3$: 
 C) $a > 6$: 
 D) $a > -3$: 

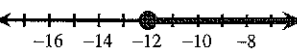
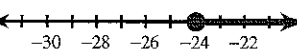


27) $67 > 4(1 - 5x) - x$

- A) $x < -3$: 
 B) { All real numbers. } : 
 C) No solution. : 
 D) $x > -3$: 

26) $-105 < -3 - 3(4 - 6x)$

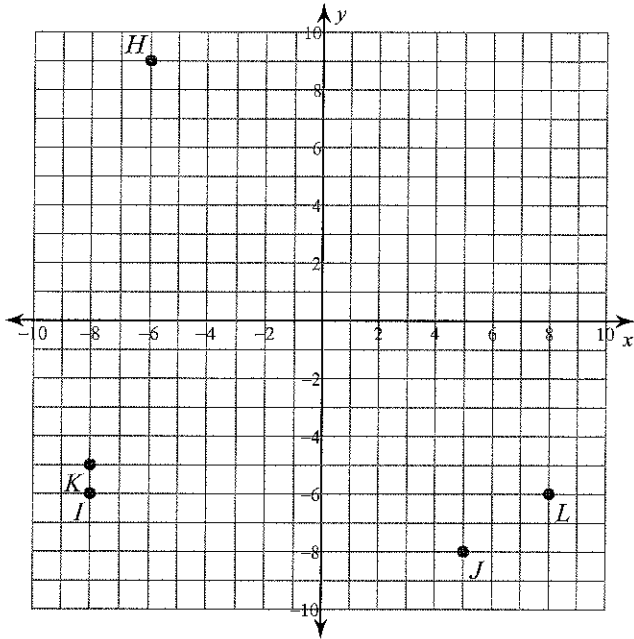
- A) { All real numbers. } : 
 B) $x > -4$: 
 C) No solution. : 
 D) $x > -5$: 

28) $-63 \geq 2b - 3(1 + 4b)$

- A) $b \geq -12$: 
 B) $b \geq -24$: 
 C) $b \leq 6$: 
 D) $b \geq 6$: 

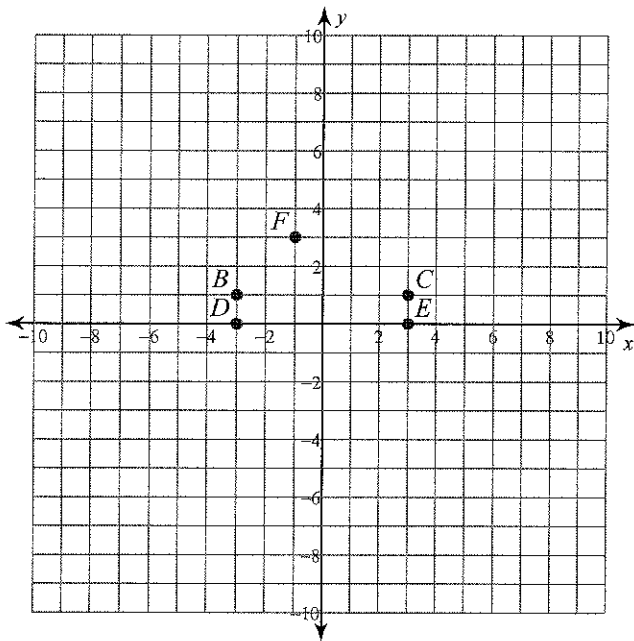
3A: Coordinate relations and plotting points

29) $(-8, -6)$



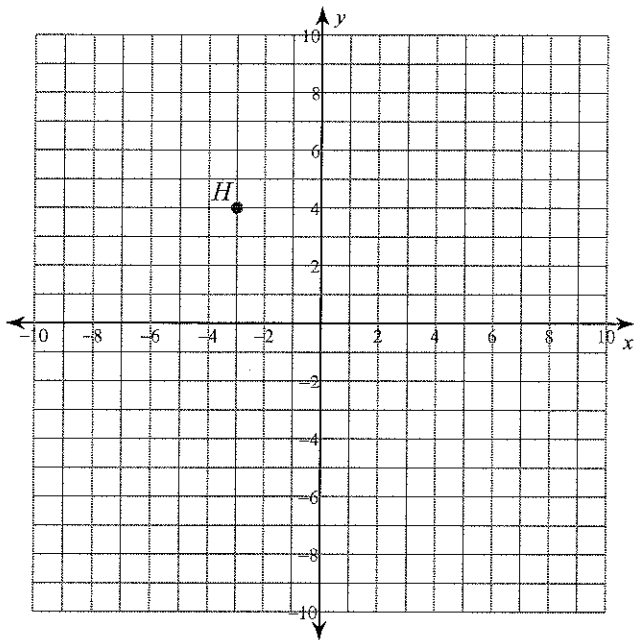
- A) Point J
- B) Point I
- C) Point K
- D) Point L

30) $(-3, 0)$



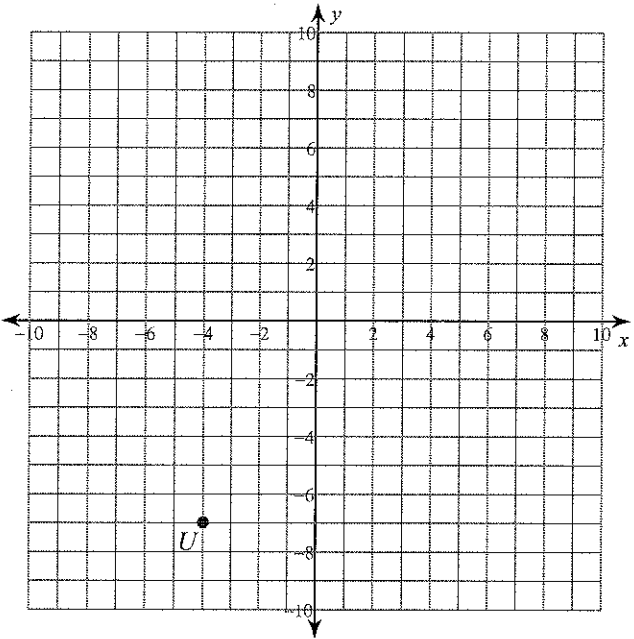
- A) Point E
- B) Point F
- C) Point C
- D) Point D

31)



- A) $H(-3, 4)$ B) $H(-4, 2)$
C) $H(3, 4)$ D) $H(4, -3)$

32)

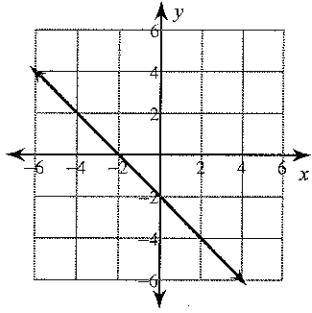


- A) $U(-4, -7)$ B) $U(-7, -4)$
C) $U(-7, 5)$ D) $U(4, -7)$

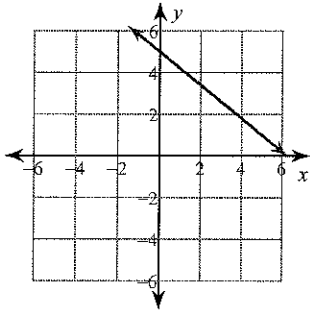
3B: Graph using a table

33) $y = -x - 2$

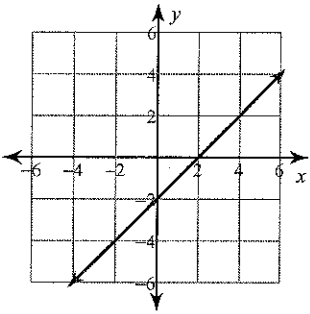
A)



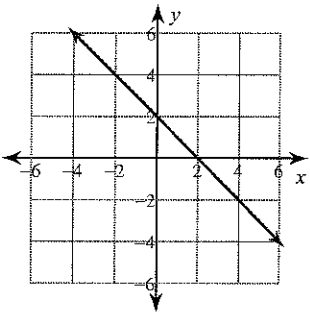
B)



C)

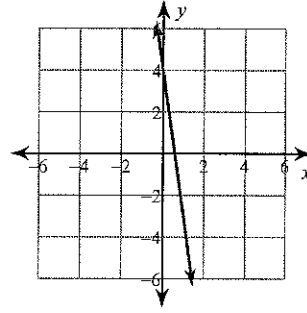


D)

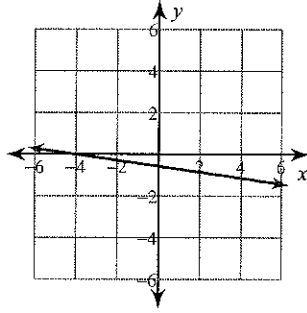


34) $\frac{7}{4}x = -1 - \frac{1}{4}y$

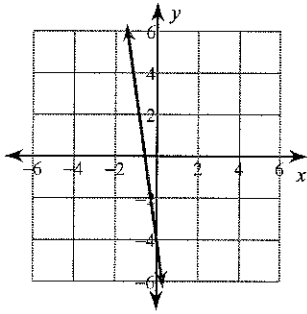
A)



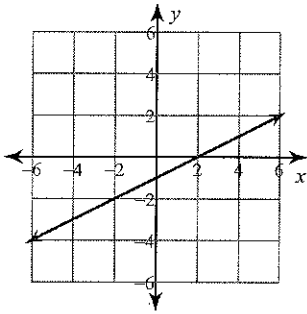
B)



C)

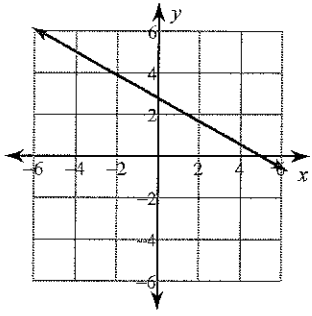


D)

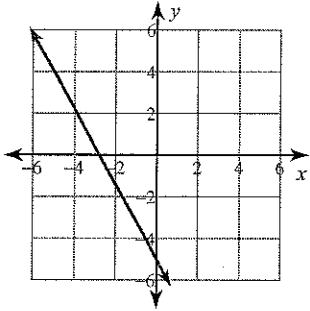


35) $9x - 5y = 25$

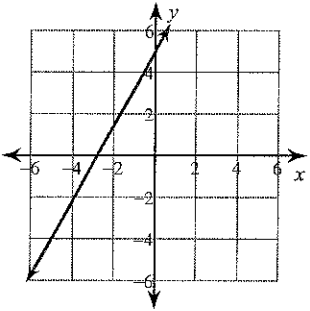
A)



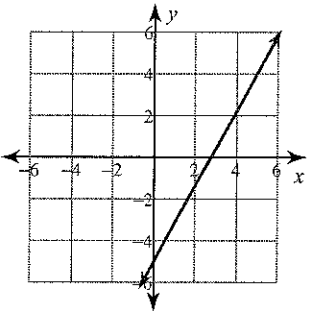
B)



C)

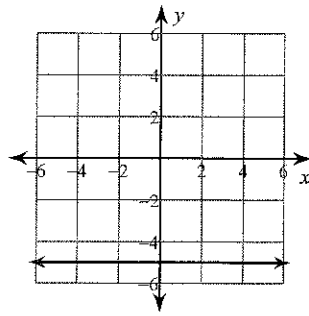


D)

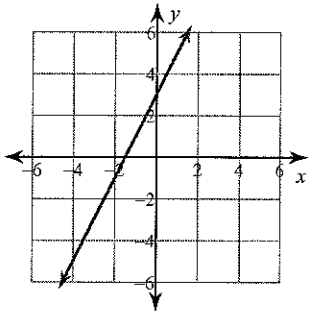


36) $2x - y = -3$

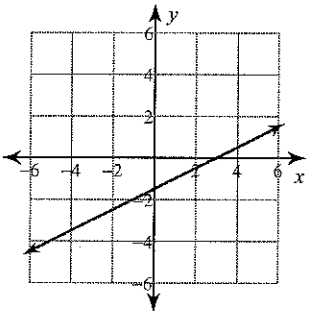
A)



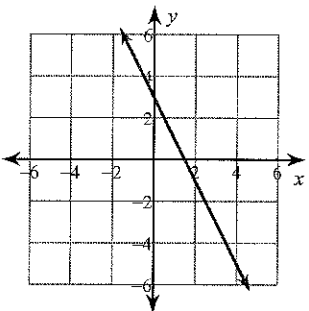
B)



C)

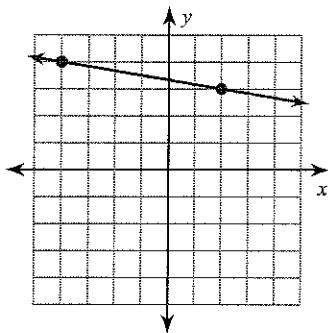


D)



3C: Find the slope of each line.

37)



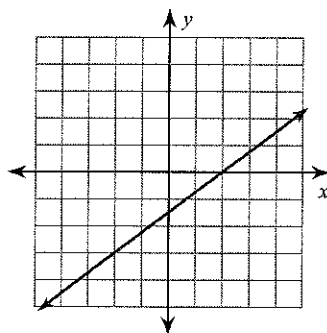
A) 6

B) $\frac{1}{6}$

C) $-\frac{1}{6}$

D) -6

38)



A) $-\frac{3}{4}$

B) $-\frac{4}{3}$

C) $\frac{3}{4}$

D) $\frac{4}{3}$

39) $(19, -17), (10, 3)$

A) $-\frac{20}{9}$ B) $\frac{9}{20}$

C) $-\frac{9}{20}$ D) $\frac{20}{9}$

40) $5x + 2y = -8$

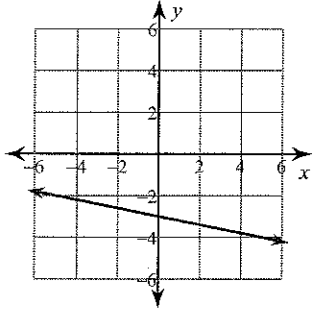
A) $-\frac{2}{5}$ B) $\frac{2}{5}$

C) $-\frac{5}{2}$ D) $\frac{5}{2}$

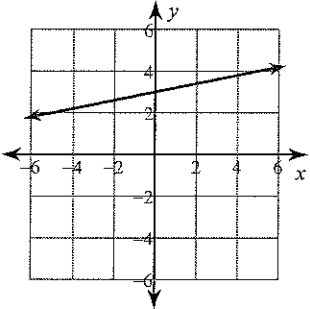
3E&F: Convert to slope intercept form ($y=mx+b$) if necessary and Graph of each line.

41) $y = -\frac{1}{5}x - 3$

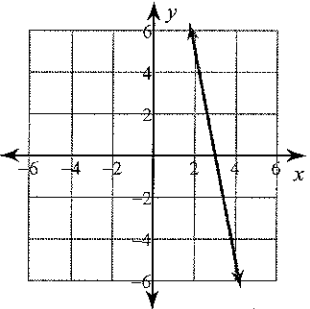
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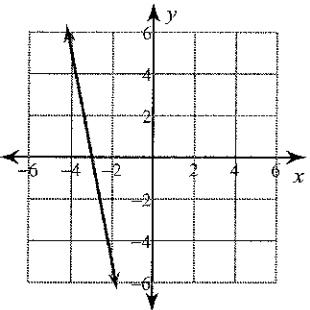
B)



C)

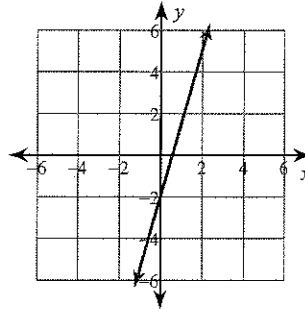


D)

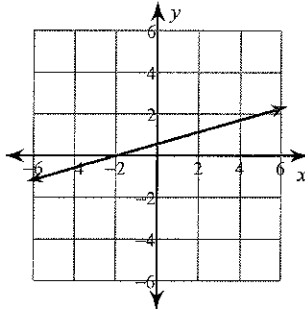


42) $y = \frac{7}{2}x - 2$

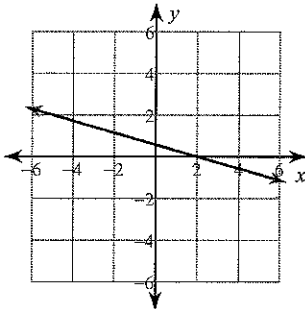
A)



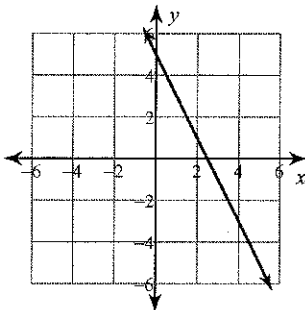
B)



C)

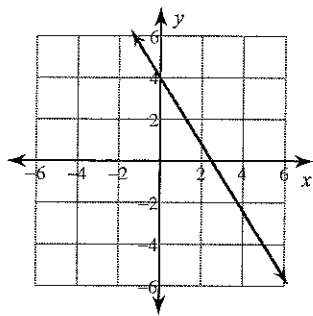


D)

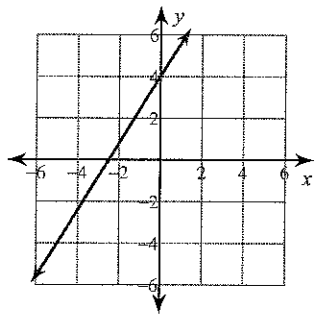


43) $8x - 5y = -20$

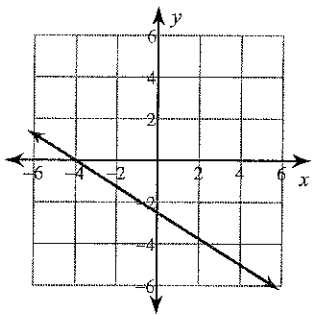
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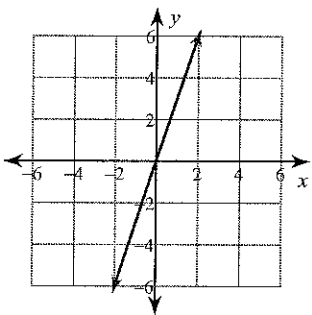
B)



C)

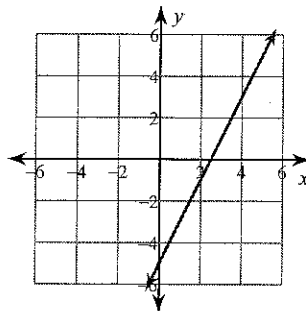


D)

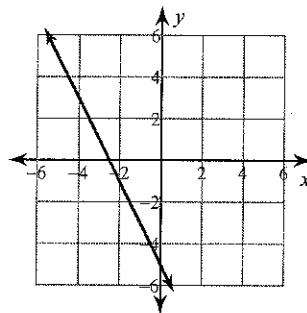


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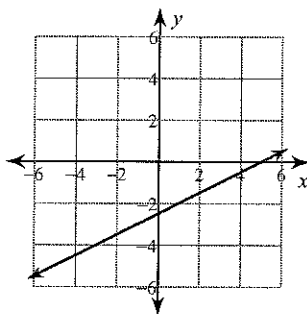
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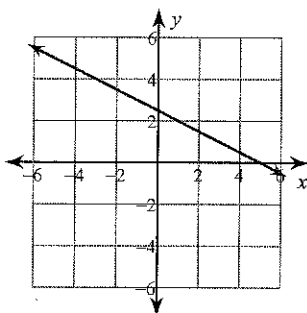
B)



C)



D)



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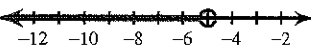


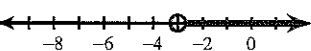
- A) $\{-12\}$ *B) $\{0\}$
 C) $\{7\}$ D) $\{12\}$

24) $-5(2a + 7) - 4a = -7a + 7$

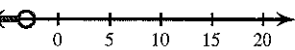
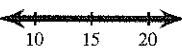
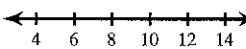
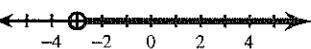
- A) $\{-12\}$
 B) { All real numbers. }
 *C) $\{-6\}$
 D) $\{6\}$

2F: Solve Multistep inequality and graph its solution.

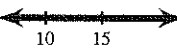
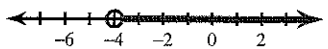
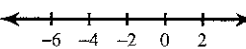
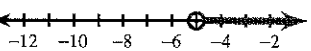
25) $5(3a - 2) < -85$

- *A) $a < -5$: 
 B) $a < -3$: 
 C) $a > 6$: 
 D) $a > -3$: 

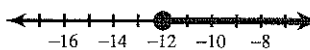
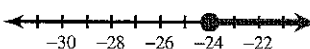


27) $67 > 4(1 - 5x) - x$

- A) $x < -3$: 
 B) { All real numbers. } : 
 C) No solution. : 
 *D) $x > -3$: 

26) $-105 < -3 - 3(4 - 6x)$

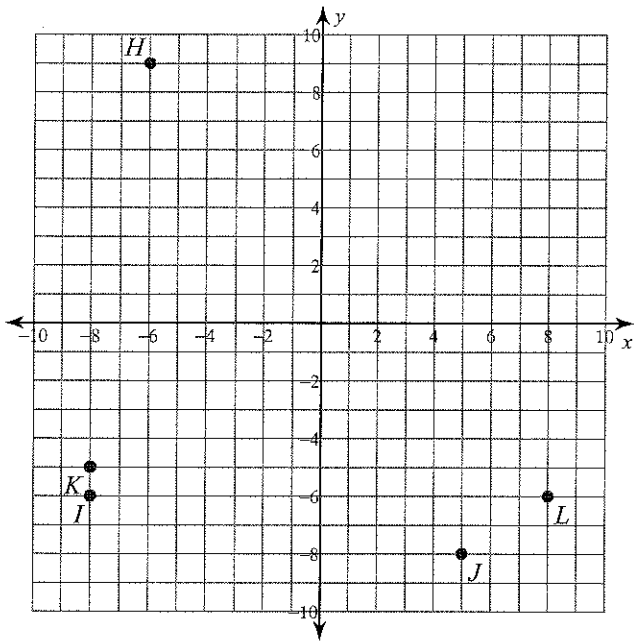
- A) { All real numbers. } : 
 B) $x > -4$: 
 C) No solution. : 
 *D) $x > -5$: 

28) $-63 \geq 2b - 3(1 + 4b)$

- A) $b \geq -12$: 
 B) $b \geq -24$: 
 C) $b \leq 6$: 
 *D) $b \geq 6$: 

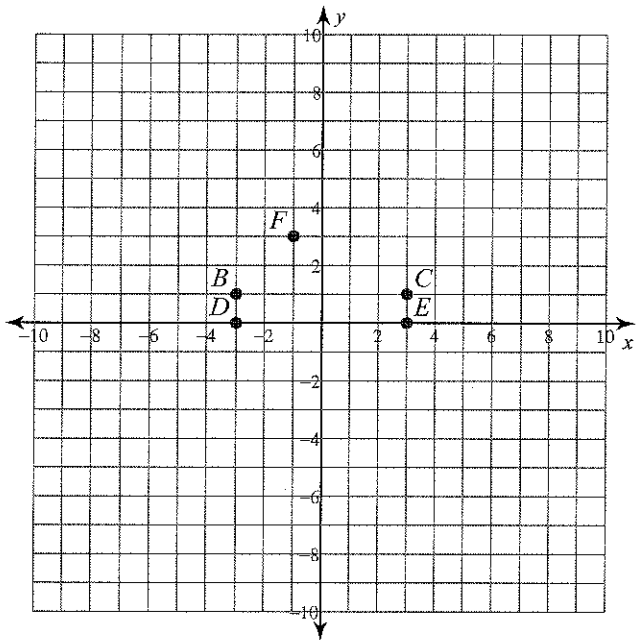
3A: Coordinate relations and plotting points

29) $(-8, -6)$



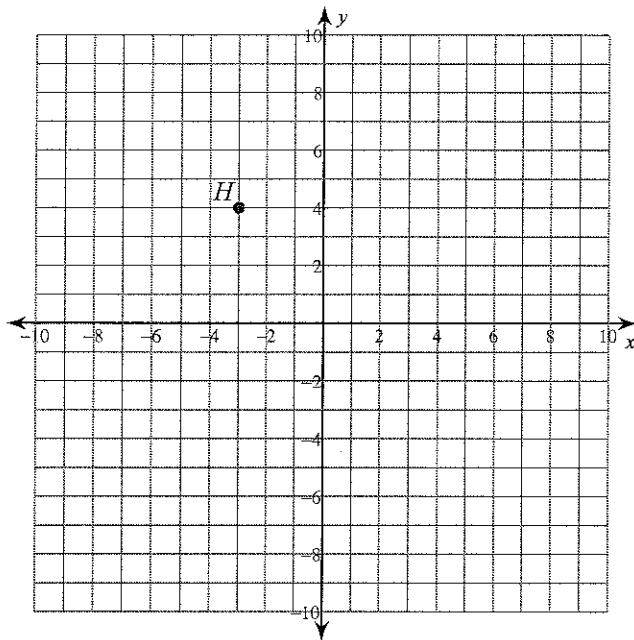
- A) Point J *B) Point I
C) Point K D) Point L

30) $(-3, 0)$



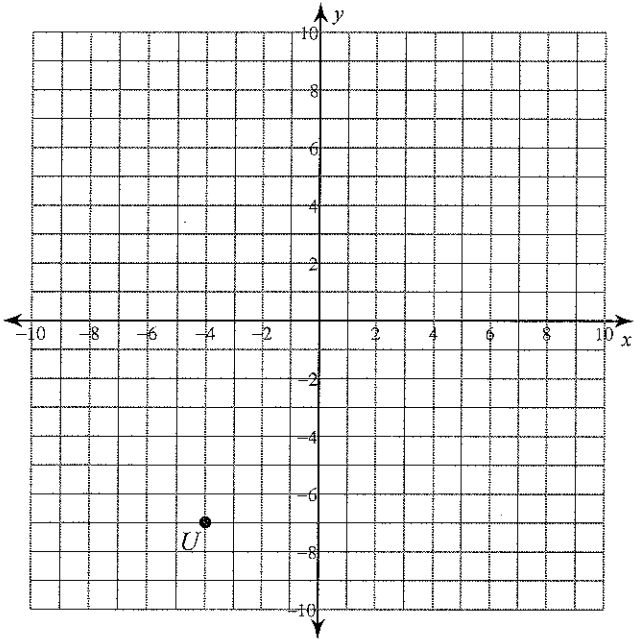
- A) Point E B) Point F
C) Point C *D) Point D

31)



- *A) $H(-3, 4)$ B) $H(-4, 2)$
C) $H(3, 4)$ D) $H(4, -3)$

32)

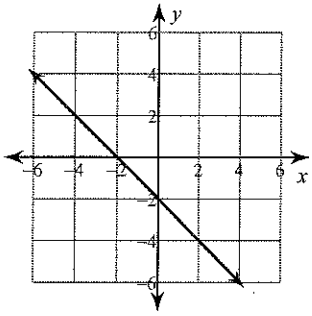


- *A) $U(-4, -7)$ B) $U(-7, -4)$
C) $U(-7, 5)$ D) $U(4, -7)$

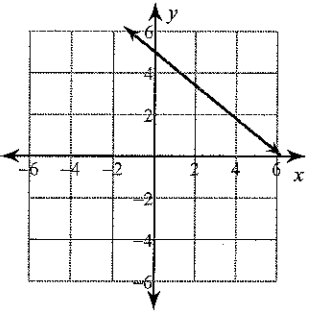
3B: Graph using a table

33) $y = -x - 2$

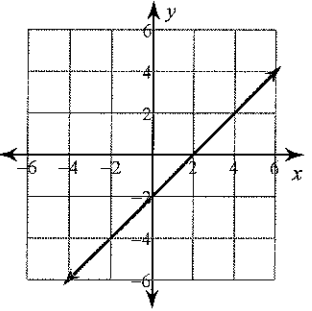
*A)



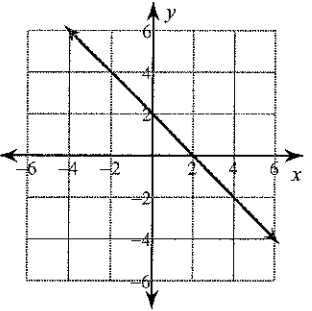
B)



C)

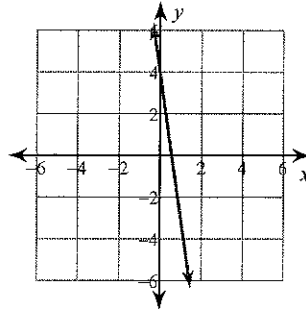


D)

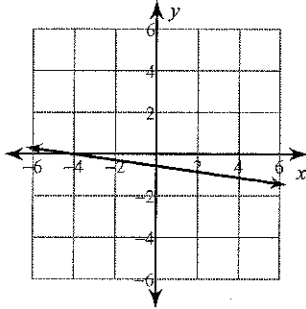


34) $\frac{7}{4}x = -1 - \frac{1}{4}y$

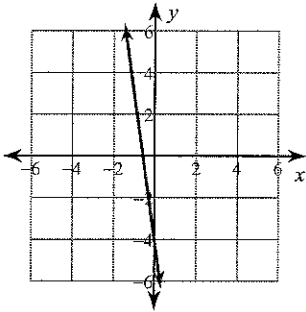
A)



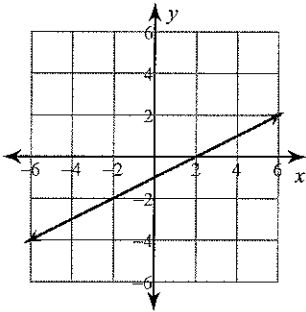
B)



*C)

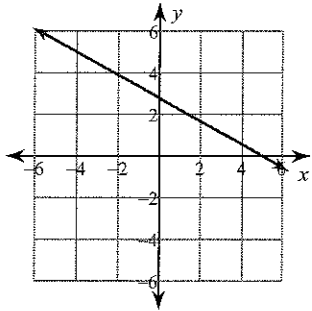


D)

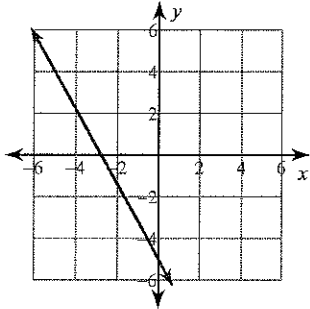


35) $9x - 5y = 25$

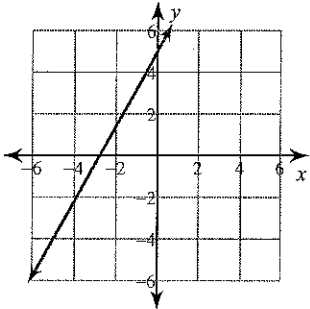
A)



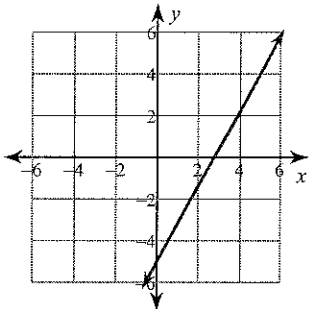
B)



C)

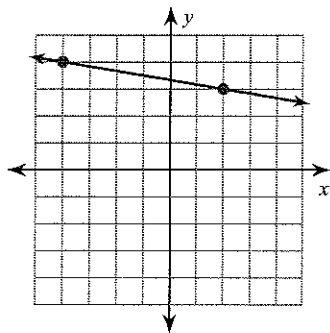


*D)



3C: Find the slope of each line.

37)



A) 6

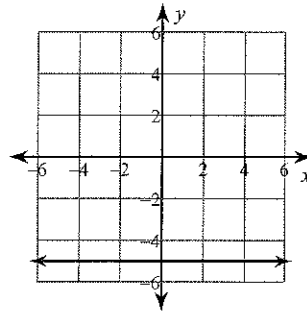
B) $\frac{1}{6}$

*C) $-\frac{1}{6}$

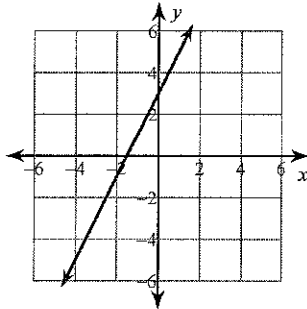
D) -6

36) $2x - y = -3$

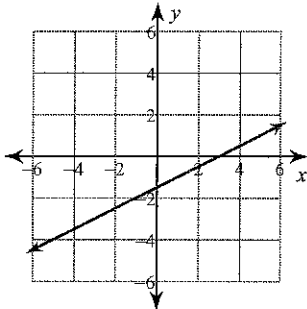
A)



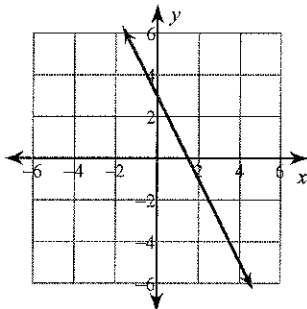
*B)



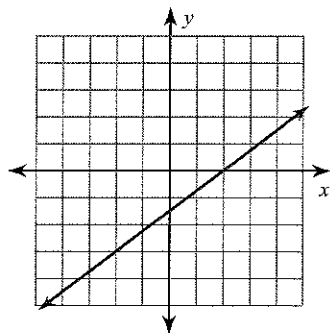
C)



D)



38)



A) $-\frac{3}{4}$

B) $-\frac{4}{3}$

*C) $\frac{3}{4}$

D) $\frac{4}{3}$

39) $(19, -17), (10, 3)$

*A) $-\frac{20}{9}$ B) $\frac{9}{20}$

C) $-\frac{9}{20}$ D) $\frac{20}{9}$

40) $5x + 2y = -8$

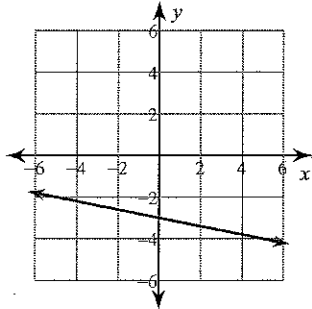
A) $-\frac{2}{5}$ B) $\frac{2}{5}$

*C) $-\frac{5}{2}$ D) $\frac{5}{2}$

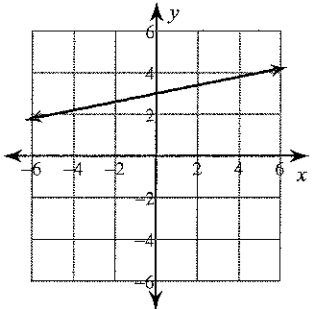
3E&F: Convert to slope intercept form ($y=mx+b$) if necessary and Graph of each line.

41) $y = -\frac{1}{5}x - 3$

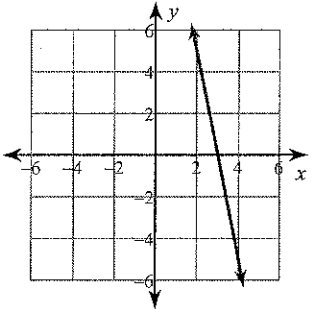
*A)



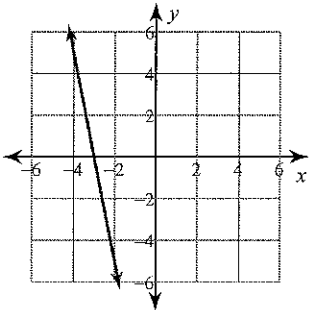
B)



C)

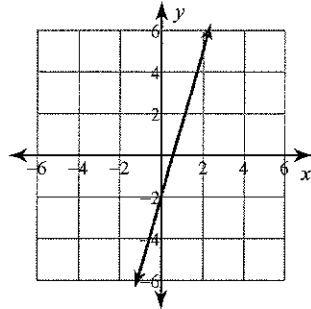


D)

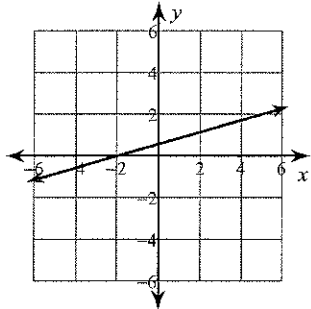


42) $y = \frac{7}{2}x - 2$

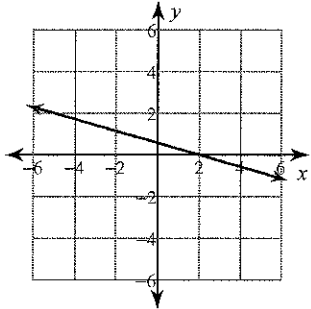
*A)



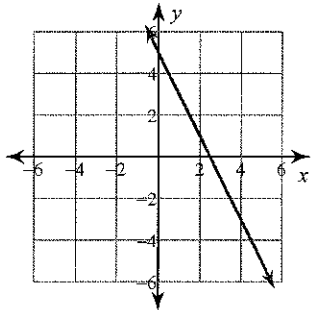
B)



C)

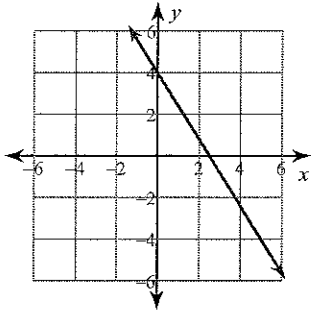


D)

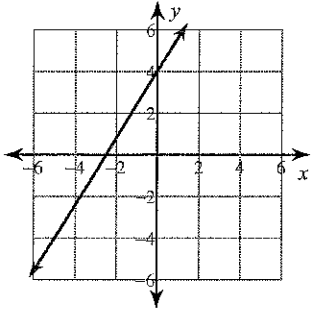


43) $8x - 5y = -20$

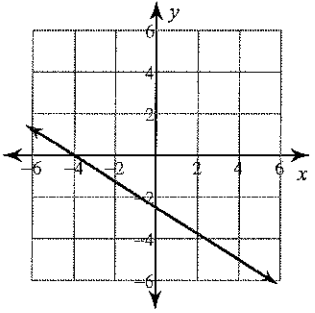
A)



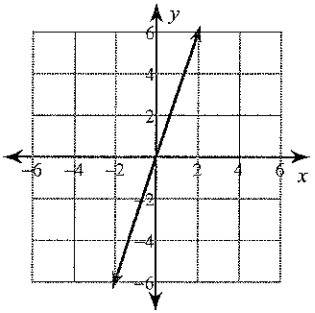
*B)



C)

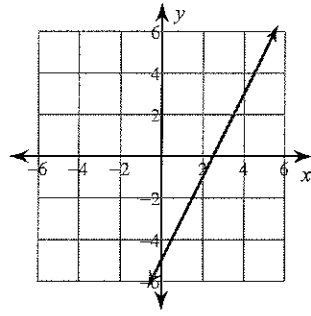


D)

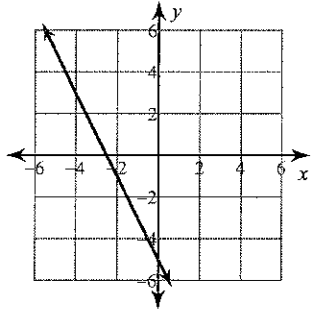


44) $2x - y = 5$

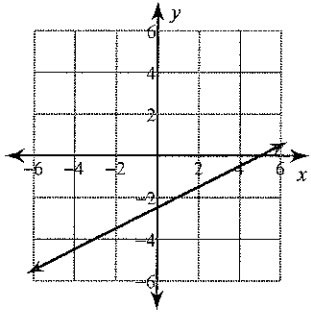
*A)



B)



C)



D)

