

Test--Cummulative Skills Check

Date _____

Period _____

Skill #1--Variables on Both Sides--(Solve each equations)

1) $1 + 3n = 14 + n + 6 - 3$

2) $7r - 4 - 2 = 5r + 10$

3) $16 + 4b = 6b + 8$

Skill #2--Solving with Parentheses--(Solve each Equations)

4) $3(r - 4) = -24 + r$

5) $-4 - 6(3a - 3) = -7 + 3a$

6) $3(1 + 4a) = -3(1 - 2a)$

Skill #4--Check to see if (-2) is the correct answer by substituting it into the equation.

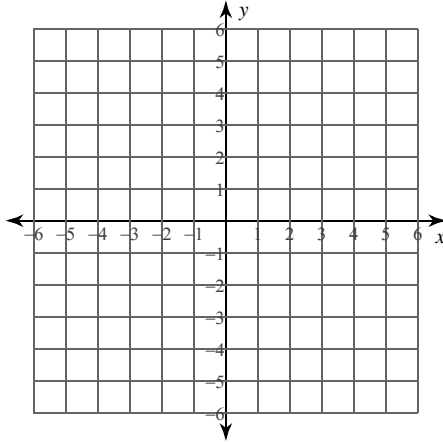
7) $160 = -5(4 - 6x)$

8) $-7n + 3(-1 + 8n) = -105$

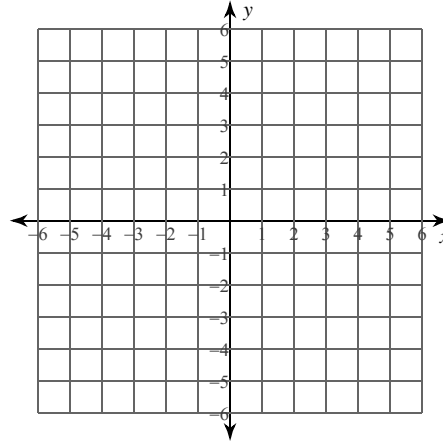
9) $7(1 - 2x) = 91$

Skill #7--Generate a Table of Values (x-y Table) and then Graph each Line.

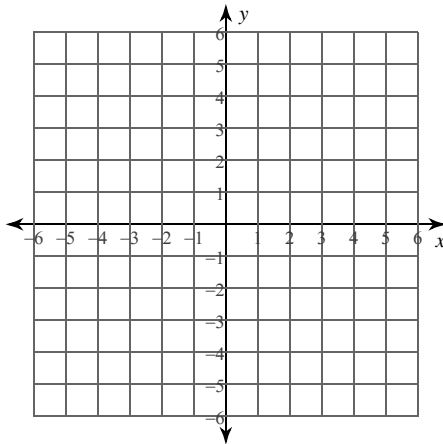
10) $6x + 5y = -25$



11) $x - 4y = 12$

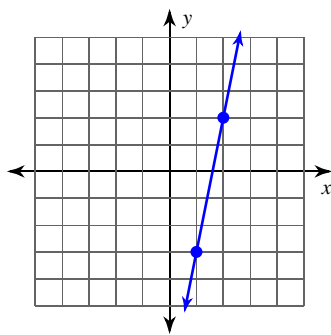


12) $y = -5$

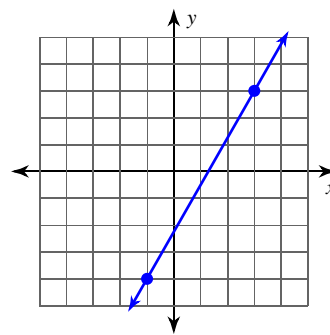


Skill #8--Find the slope of each Line using Slope Triangles.

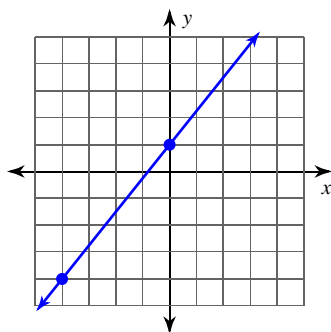
13)



14)



15)



Skill #9--Find the slope of each Line using $m=(y_2-y_1)/(x_2-x_1)$.

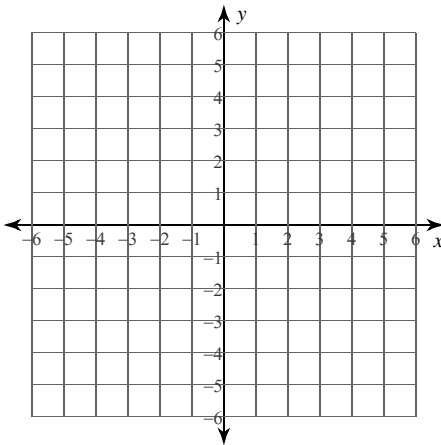
16) $(-7, 8), (0, -7)$

17) $(15, -18), (2, -8)$

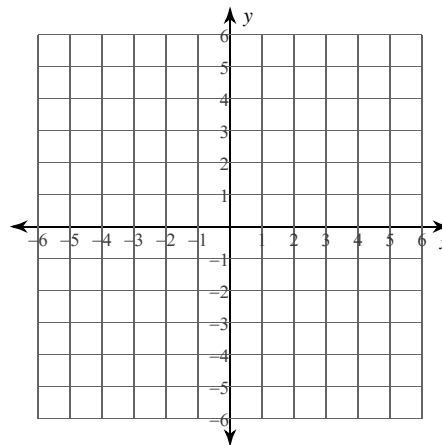
18) $(19, 6), (12, 15)$

Skill #13--Sketch each Linear Equation using the starting point and the slope.

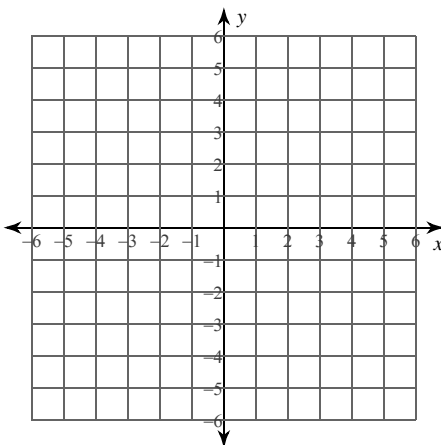
19) $y = x - 3$



20) $y = -\frac{3}{4}x - 1$

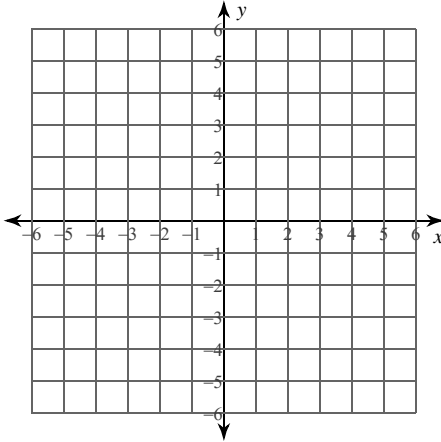


21) $y = \frac{1}{4}x$

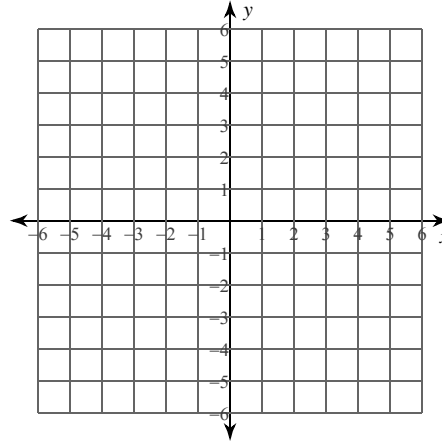


Skill #14--Rewrite each Linear Equation into Slope Intercept Form and then Graph.

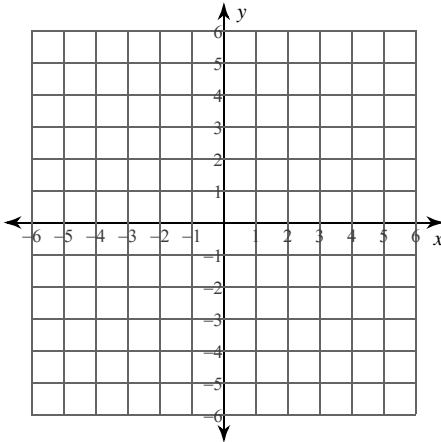
22) $x + 3y = -3$



23) $x - 2y = -10$

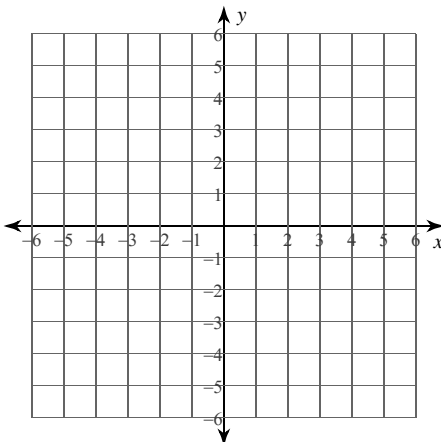


24) $3x + 4y = 8$

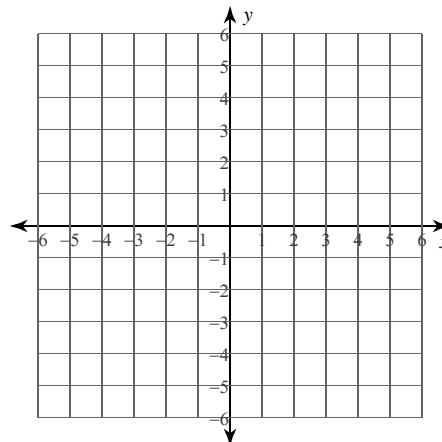


Skill #15--Calculate the x and y Intercepts then graph using both Intercepts.

25) $7x + y = -4$

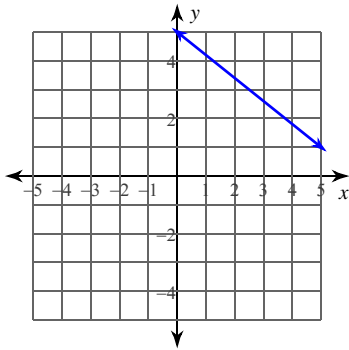


26) $x + 3y = -6$

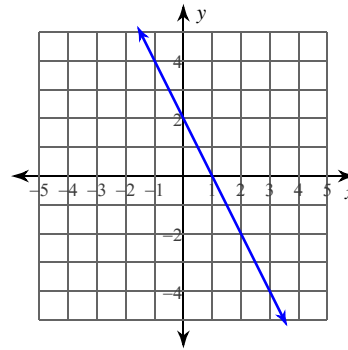


Skill #16--Write the the equation of the lines shown in Slope Intercept Form. (y = mx + b)

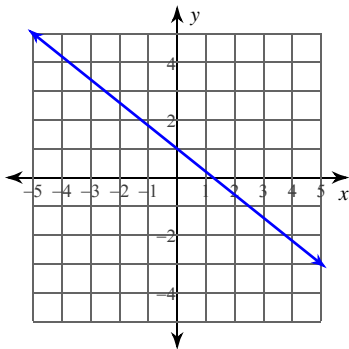
27)



28)



29)



Skill #17--Write the the equation of the lines described, in Slope Intercept Form (y = mx + b)

30) Slope = $\frac{1}{3}$, y-intercept = 3

31) Slope = $-\frac{7}{5}$, y-intercept = -3

32) Slope = 1, y-intercept = 2

Answers to Test--Cummulative Skills Check (ID: 1)

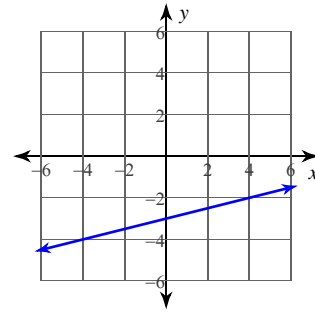
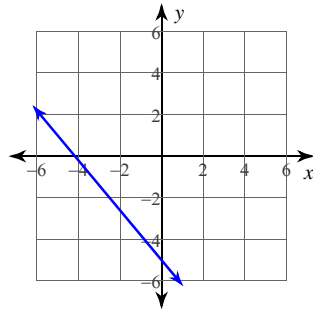
- 1) {8}
 5) {1}
 9) {-6}

- 2) {8}
 6) {-1}
 10)

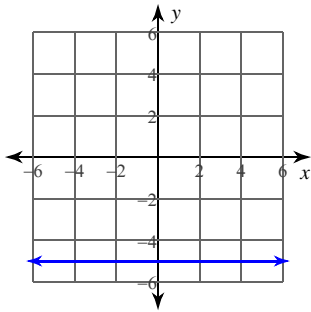
- 3) {4}
 7) {6}

- 4) {-6}
 8) {-6}

11)



12)



13) 5

14) $\frac{7}{4}$

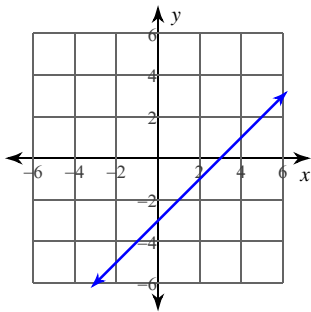
15) $\frac{5}{4}$

16) $-\frac{15}{7}$

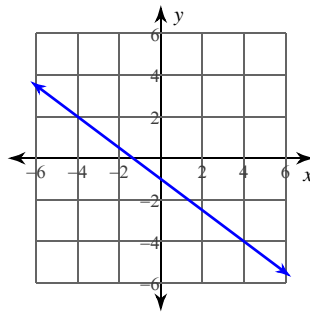
17) $-\frac{10}{13}$

18) $-\frac{9}{7}$

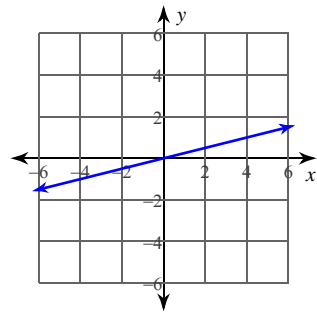
19)



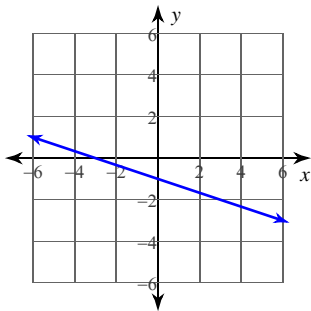
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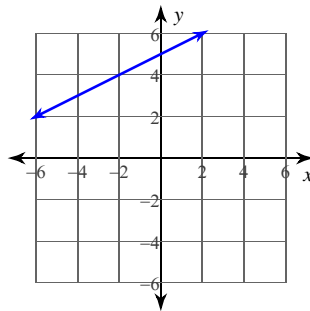
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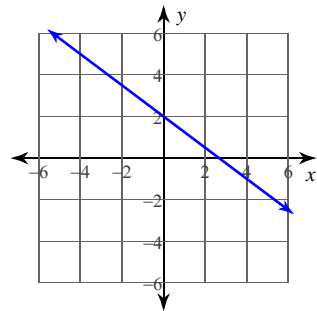
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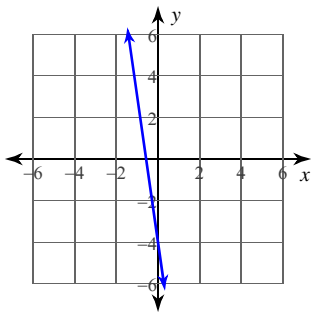
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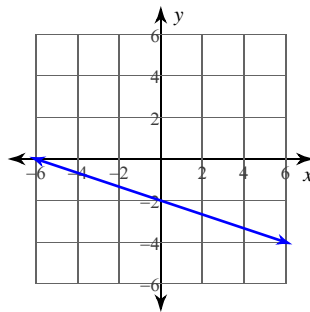
24)



25)



26)



27) $y = -\frac{4}{5}x + 5$

28) $y = -2x + 2$

$$29) y = -\frac{4}{5}x + 1$$

$$30) y = \frac{1}{3}x + 3$$

$$31) y = -\frac{7}{5}x - 3$$

$$32) y = x + 2$$