

1. Solve
 $5m - 2(m + 4) = -(2m + 15) - 3$

2. Solve
 $\frac{x + 4}{5} = \frac{x - 2}{7}$

3. What shape should each graph be?
 a) $y = |3x - 5|$
 b) $y = 3 - 2x^2$
 c) $y = 3x + 2$
 d) $y = 3x^2 - 4x + 2$
 e) $y = 4 - |x + 2|$

4. Solve and graph on a number line
 $-3 < 2x - 1 \leq 7$

←—————→

Solution: _____

5. Solve and graph on a number line
 $4v + 3 \leq -5$ or $-2v + 7 < 1$

←—————→

Solution: _____

6. Solve and graph on a number line
 $|2p + 5| = 11$

←—————→

Solution: _____

7. Solve and graph on a number line
 $|2c - 5| < 9$

←—————→

8. A) Put into slope intercept form and graph, label A
 $5x - 2y = 10$

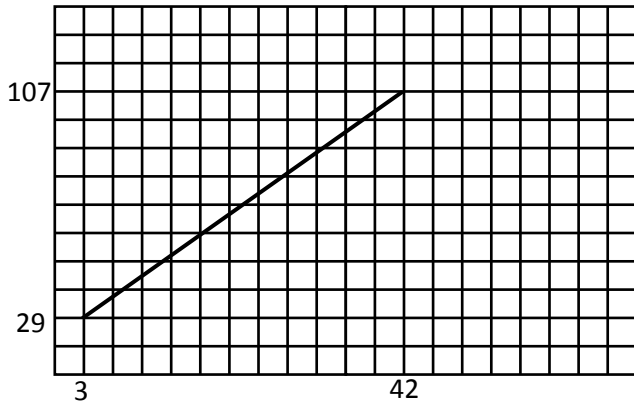
B) Use the method of intercepts to graph the line, label B (show work)

$3x - 2y = 12$

graph for 8 A & B

Solution: _____

9.



Write the equation of the line above, in slope intercept form.

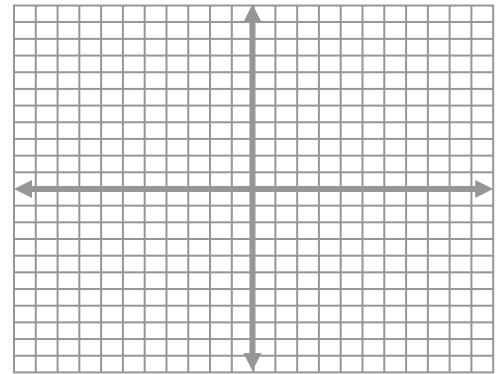
10. Write the equation of the line, in slope intercept form, that is parallel to $y=3x+2$ and passes through $(-2,8)$

11. Write the equation of the line, in slope intercept form, that is perpendicular to $y=3x+2$ and passes through $(-6,-20)$

12. Solve by graphing and CHECK!

$$y=2x-3$$

$$y=x-1$$



13. Solve by substitution or elimination

$$2x+5y=-22$$

$$10x+3y=22$$

14. Graph $3x-y<2$

