

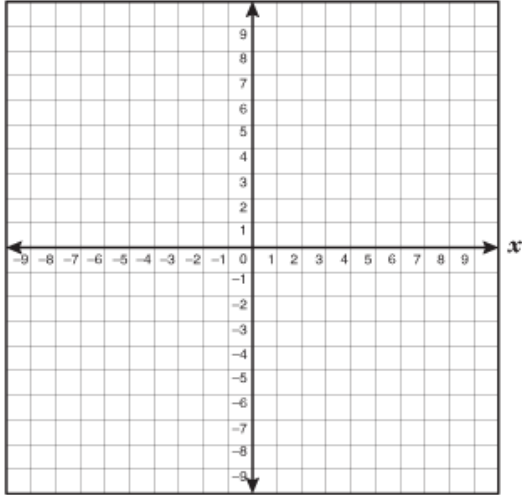
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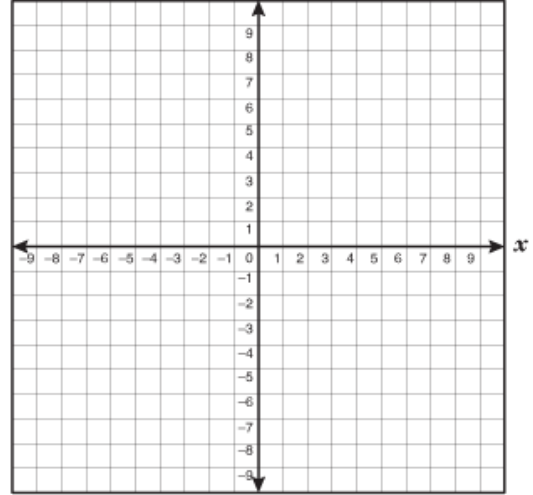
Period:

HW #3-10

1. Graph $3x + 4y = -4$



2. Graph $5x - 2y = -6$



3. Write an equation, in Standard Form, for the line passing through $(-5, 2)$ and $(-4, -10)$
4. Write an equation, in Standard Form, for the line passing through $(-5, 3)$ and parallel to the x-axis.
5. Write an equation, in Standard Form, for the line with x-intercept 5 and passing through $(3, -1)$
6. Write an equation, in Point-Slope Form, for the line passing through $(-3, -4)$ and parallel to the line $3x + y = 7$
7. Write an equation, in Standard Form, for the horizontal line through the point $(-2, 7)$

8. What is the slope of a vertical line? _____

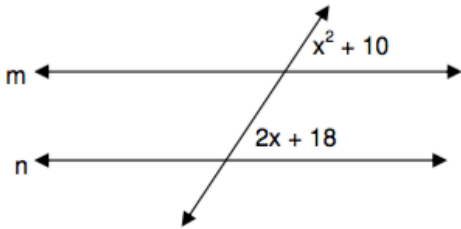
9. Solve the following equations:

a. $x^2 + 15x + 36 = 0$

b. $x^2 - 16x + 48 = 0$

c. $x^2 + 6x = 0$

10. Given $m \parallel n$, solve for x.

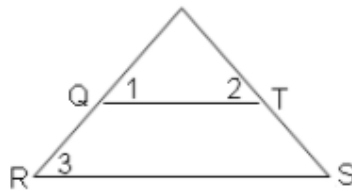


11. Write a two-column proof.

Given: $\angle 1 \text{ comp } \angle 2$

 $\angle 3 \text{ comp } \angle 2$

Prove: $\overline{QT} \parallel \overline{RS}$



Statements	Reasons

12. Determine whether $e \parallel f$

