

Algebra 2

Review for MCT 2.1-2.4 (Tues.)

Quiz 2.3-2.4

$\mathbb{N} \subset \mathbb{Q}$ p. 91
evens + 1, 25

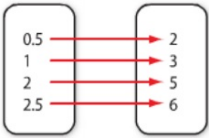
State the domain and range of each relation.
Then determine whether each relation is a
function. If it is a function, determine if it is
one-to-one,

(Lesson 2-1)

1.

x	y
-2	4
-1	1
2	4
2	6

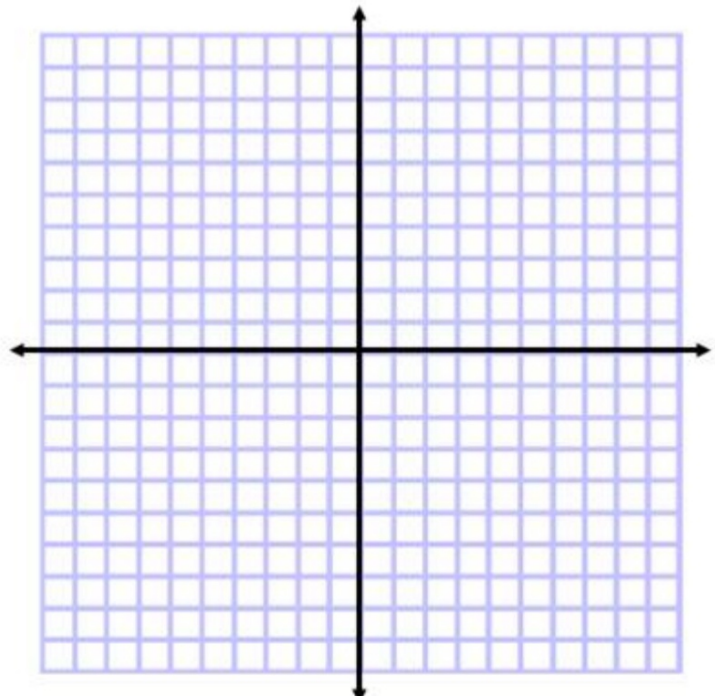
2.



Find the x -intercept and y -intercept of the graph of each equation. Then graph the equation using the intercepts. (Lesson 2-2)

3. $y = 3x - 9$

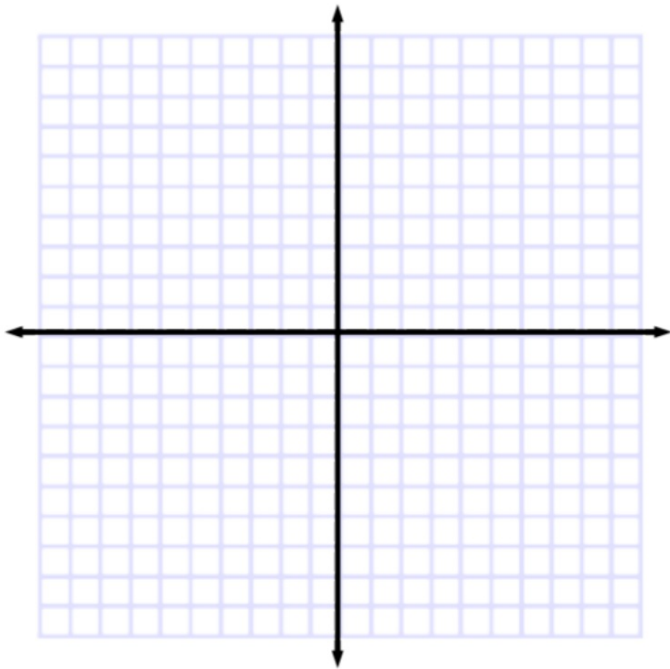
4. $2y - 5x = 10$



7. **REPAIR** An auto mechanic charges an initial fee of \$25 plus an hourly fee of \$35. (Lesson 2-2)
- Write an equation to represent the situation.
 - How much did it cost Stacy if the mechanic fixed her car in 3.5 hours?

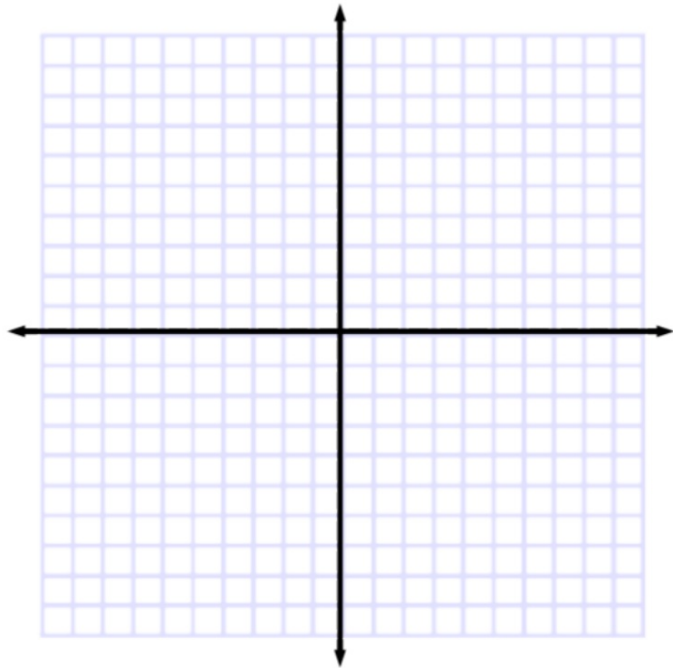
Find the slope of the line that passes through each pair of points. (Lesson 2-3)

8. $(1, -7), (-3, 5)$

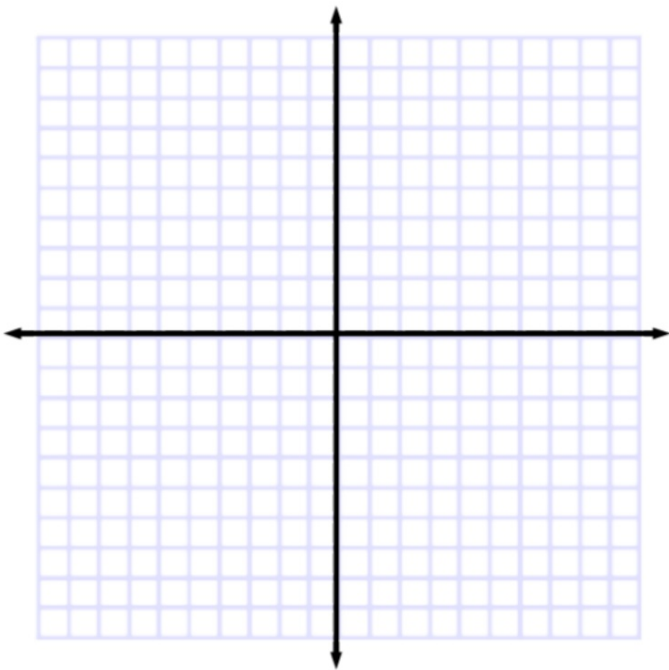


Write an equation of the line passing through each pair of points. (Lesson 2-4)

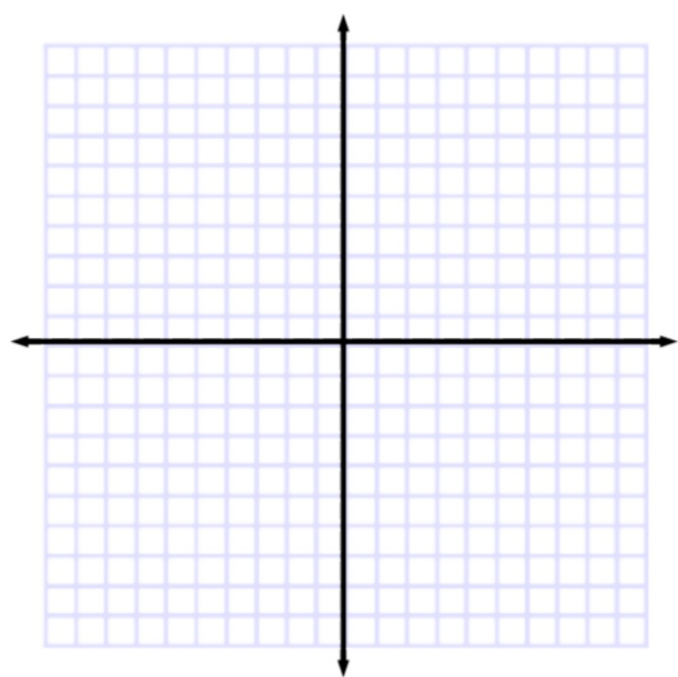
12. $(-3, -14), (1, -2)$



Write the equation of a line parallel to $y = 2x + 3$ passing through $(1, 7)$.



Write the equation of a line perpendicular to $y = -3x + 2$ passing through $(-6, 8)$



Write the equation of a line parallel to $y = -3x + 2$ passing through $(2,5)$.

