

Name:

Date:

Period:

Solve for y and identify m and b. Make sure to write slope (**m**) as a **fraction** and write the appropriate arrows next to each slope ($\frac{\text{Top \# is } \uparrow \text{ or } \downarrow}{\text{Bottom \# is } \rightarrow}$).

$$y = mx + b$$

1. $2x + 3y = 18$

m = _____

b = _____

2. $3x - 2y = 6$

m = _____

b = _____

3. $x + 2y = 6$

m = _____

b = _____

4. $y + x = 4$

m = _____

b = _____

5. $3y - x = 4$

m = _____

b = _____

6. $x + y = 8$

m = _____

b = _____

7. $-x + y = 5$

m = _____

b = _____

8. $3y = 2x + 6$

m = _____

b = _____

9. $x + y = -2$

m = _____

b = _____

10. $x - y = -6$

m = _____

b = _____

11. $2y = x - 6$

m = _____

b = _____

12. $-2x + y = 2$

m = _____

b = _____