

NAME: _____

PERIOD: _____

1. $-3x + 4 = 13$ _____

6. $\frac{x+1}{4} = \frac{5}{6}$ _____

2. $4(y-3) = 3(y+4)$ _____

7. $4(x-6) = 4(x+5) - 2(2x-6)$ _____

3. $\frac{x+1}{3} = \frac{6}{7}$ _____

8. $4.50x + 8 = 3x - 7$ _____

4. $4(x-6) = 3(x+5) - 2(x-6)$ _____

9. $4(3-y) = -3(y+4)$ _____

5. $4(x-3) = -2(x+6)$ _____

10. $\frac{1}{3}(x+1) = 5$ _____

11. $\frac{1}{3}x + 1 = \frac{1}{2}$

12. $\frac{y+2}{4} = \frac{2y-5}{2}$

Solve for t.

13. $v = \frac{1}{2}t + d$

14. $\frac{v}{t} = \frac{1}{2}(d_1 + d_2)$

Solve the following systems of equations.

15.
$$\begin{aligned} 2x + y &= 8 \\ y &= 2 \end{aligned}$$

16.
$$\begin{aligned} 2x + 3y &= 12 \\ 3x + 2y &= 13 \end{aligned}$$

17. Find the equation of the line through the points (2,6) and (5,-3).

18. Find the equation of the line with Slope = 3 through the Point (1,5).