

4.1 – Solve Simple Equations Worksheet #2

MPM1D

1. Solve

a) $x - 5 = 4$

b) $m + 8 = 11$

c) $y - 3 = 0$

d) $h + 2 = 6$

2. Solve

a) $x + 5 = 12$

b) $x - 6 = 7$

c) $y + 3 = 10$

d) $y - 4 = 2$

3. Solve

a) $x + 7 = 12$

b) $n - 8 = 11$

c) $-5 + y = -2$

d) $-9 + h = -6$

4. Solve

a) $3x = 12$

b) $5y = 20$

c) $\frac{n}{3} = 8$

d) $-2k = 16$

5. Solve

a) $4z = -24$

b) $\frac{h}{-5} = -6$

c) $-6c = -42$

d) $-9u = 45$

6. Find the root of each equation

a) $7x - 4 = 10$

b) $7k + 2 = 16$

c) $-p + 7 = 0$

d) $-12g - 33 = 0$

7. Solve

a) $k - 4 = -9$

b) $6x = -30$

c) $\frac{q}{7} = 2$

d) $2y - 7 = 9$

e) $-3w - 1 = 14$

f) $2q - 9 = -13$

8. Solve

a) $p + 9 = -2$

b) $-5x = 35$

c) $\frac{u}{4} = -8$

d) $6r + 3 = 33$

e) $10c - 6 = -16$

f) $-3v + 6 = -9$

9. At a bake sale, pies cost \$7 each. One customer buys \$84 worth of pies

a) Write an equation to model the number of pies the customer bought.

b) Solve the equation.

12. Solve each equation. Express fraction answers in lowest terms.

a) $2k - 7 = -8$

b) $3x + 8 = 2$

c) $4m - 6 = 12$

d) $-9u + 8 = 23$

13. Solve each equation. Express fraction answers in lowest terms.

a) $8r - \frac{3}{2} = -15$

b) $-10h - 6 = -\frac{2}{5}$