

Name : _____

Rearranging Equations

T2ES1

1) Solve $9 = abc$ for a .

2) Solve $-35g = -8h + 11k$ for h .

3) Solve $13p - 2y = 14 + 10p$ for y .

4) Solve $22tq - s = 6s$ for q .

5) Solve $\frac{16mn}{r} = 7$ for r .

6) Solve $\frac{w + v^2}{5} = 12$ for w .

7) Solve $-24k = -4k - 3u$ for k .

8) Solve $0 = \frac{p - 27h}{17 + h}$ for p .

9) Solve $-6 = v - 19w$ for v .

10) Solve $38z = xy^3 + 1$ for x .

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Answer key

T2ES1

Rearranging Equations

1) Solve $9 = abc$ for a .

$$a = \frac{9}{bc}$$

2) Solve $-35g = -8h + 11k$ for h .

$$h = \frac{35g + 11k}{8}$$

3) Solve $13p - 2y = 14 + 10p$ for y .

$$y = \frac{3p - 14}{2}$$

4) Solve $22tq - s = 6s$ for q .

$$q = \frac{7s}{22t}$$

5) Solve $\frac{16mn}{r} = 7$ for r .

$$r = \frac{16mn}{7}$$

6) Solve $\frac{w + v^2}{5} = 12$ for w .

$$w = 60 - v^2$$

7) Solve $-24k = -4k - 3u$ for k .

$$k = \frac{3u}{20}$$

8) Solve $0 = \frac{p - 27h}{17 + h}$ for p .

$$p = 27h$$

9) Solve $-6 = v - 19w$ for v .

$$v = 19w - 6$$

10) Solve $38z = xy^3 + 1$ for x .

$$x = \frac{38z - 1}{y^3}$$