

Name : _____

Rearranging Equations

T2MS3

1) Solve $-\frac{4x}{13-5x} = -\frac{1}{g^3}$ for x .

2) Solve $\frac{1}{16} = \frac{2v-k}{9k-7}$ for v .

3) Solve $r^2 = \frac{20q}{3} + \frac{1}{\sqrt{a+6}}$ for b .

5) Solve $m(25h-37) - \frac{w}{33}$ for w .

7) Solve $\frac{(1+y)(10-z)}{10} = y$ for y .

8) Solve $26d + c = -n(c-31)$ for c .

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Answer key

T2MS3

Rearranging Equations

1) Solve $-\frac{4x}{13-5x} = -\frac{1}{g^3}$ for x .

$$x = \frac{13}{4g^3 + 5}$$

2) Solve $\frac{1}{16} = \frac{2v-k}{9k-7}$ for v .

$$v = \frac{25k-7}{32}$$

3) Solve $r^2 = \frac{20q}{3} + \frac{1}{a+6}$ for b .

$$q = \frac{3r^2s}{20s+33}$$

5) Solve $m(25h-37) = \frac{p-w}{33}$ for w .

$$h = \frac{37m+5p}{25m+8}$$

7) Solve $\frac{(1+y)(10-z)}{10} = y$ for y .

$$y = \frac{10-z}{z}$$

8) Solve $26d+c = -n(c-31)$ for c .

$$c = \frac{31n-26d}{n+1}$$

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