

Name : _____

Rearranging Equations

T2MS1

1) Solve $\frac{7m-9}{2} = n + 3m$ for m .

2) Solve $11(p-r^3) + 10r^3 = 8q$ for p .

3) Solve $\frac{4gh + 31h}{12} =$

for z .

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5) Solve $33 = \frac{17s}{s-t}$

$-c^2a + 10b$ for a .

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7) Solve $(-5k-d)(-6+k^2) = 22d - dk^2$ for d .

8) Solve $-34u = 2v + \frac{19}{w} - 38u$ for v .

Name : _____

Answer key

T2MS1

Rearranging Equations

1) Solve $\frac{7m-9}{2} = n + 3m$ for m .

$$m = 2n + 9$$

2) Solve $11(p-r^3) + 10r^3 = 8q$ for p .

$$p = \frac{r^3 + 8q}{11}$$

3) Solve $\frac{4gh + 31h}{12} =$

$$g = \frac{48 - 31h}{4h}$$

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for z .

5) Solve $33 = \frac{17s}{s-t}$

$$s = \frac{33t}{16}$$

$-c^2a + 10b$ for a .

7) Solve $(-5k-d)(-6+k^2) = 22d - dk^2$ for d .

$$d = \frac{30k - 5k^3}{16}$$

8) Solve $-34u = 2v + \frac{19}{w} - 38u$ for v .

$$v = \frac{4uw - 19}{2w}$$