

Name : _____

Rearranging Equations

T2MS2

1) Solve $b = \frac{21u - 5ab}{u - a}$ for u .

2) Solve $\frac{27d + \sqrt{3}}{2} = 19c$ for d .

3) Solve $-y + \frac{7z}{t} - \frac{6}{t}$

$2 - s)$ for r .

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5) Solve $\frac{-w + 1}{w} = \frac{n^3}{n^3}$

-1 for k .

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7) Solve $\frac{13 - nh}{2(n + g)} = h$ for g .

8) Solve $4p + q^2 = 3pq^2 + 7$ for p .

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Answer key

T2MS2

Rearranging Equations

1) Solve $b = \frac{21u - 5ab}{u - a}$ for u .

$$u = \frac{4ab}{21 - b}$$

2) Solve $\frac{27d + \sqrt{3}}{2} = 19c$ for d .

$$d = \frac{38c - \sqrt{3}}{27}$$

3) Solve $-y + \frac{7z}{t} - \frac{6}{t} = 2 - s$ for r .

$$t = \frac{7z - 6}{y}$$

5) Solve $\frac{-w + 1}{w} = \frac{n^3}{n^3 + 15v^2 + 8} - 1$ for k .

$$w = \frac{8}{n^3 + 15v^2 + 8}$$

7) Solve $\frac{13 - nh}{2(n + g)} = h$ for g .

$$g = \frac{13 - 3nh}{2h}$$

8) Solve $4p + q^2 = 3pq^2 + 7$ for p .

$$p = \frac{7 - q^2}{4 - 3q^2}$$

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