

Name : _____

Rearranging Equations

T2DS2

1) Solve $3 = \sqrt{\frac{12m - 4n}{9 - n}}$ for n .

2) Solve $7(-1 - y) = z(-6y + 25)$ for y .

3) Solve $\sqrt[3]{5g + 8k^3}$

$\frac{t^2 - bt^2}{28}$ for t .

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5) Solve $1 - d = \frac{a}{c}$

$2 = 39\sqrt{s} + r$ for s .

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Answer key

Rearranging Equations

T2DS2

1) Solve $3 = \sqrt{\frac{12m - 4n}{9 - n}}$ for n .

$$n = \frac{81 - 12m}{5}$$

2) Solve $7(-1 - y) = z(-6y + 25)$ for y .

$$y = \frac{25z + 7}{6z - 7}$$

3) Solve $\sqrt[3]{5g + 8k^3}$

$$g = \frac{h^3 + 6h^2k + 1}{5}$$

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5) Solve $1 - d = \frac{a}{a}$

$$a = \frac{27d - 27}{16}$$

$$s = \left(\frac{r - 2}{x - 39} \right)^2$$

$\frac{t^2 - bt^2}{28}$ for t .

$2 = 39\sqrt{s} + r$ for s .