

Name : _____

Rearranging Equations

T1DS2

Make x as the subject in each problem.

1) $(xh)^2 - 29r = -x^2(h^3 + 14)$

2) $\frac{qx}{q+1} = x^2 - 1$

3) $\frac{6x - w}{10} = 2$

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$$\sqrt{\frac{y+16}{x+z^3}}$$

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5) $0 = 8uv -$

$$= g + 5\sqrt{3}$$

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Answer key

T1DS2

Rearranging Equations

Make x as the subject in each problem.

1) $(xh)^2 - 29r = -x^2(h^3 + 14)$

2) $\frac{qx}{q+1} = x^2 - 1$

$x = \pm \sqrt{\frac{29r}{h^3}}$

3) $\frac{6x - w}{10} = 2$

$x = \frac{20 - w}{6}$

5) $0 = 8uv -$

$x = \sqrt[3]{\frac{u^2v}{9}}$

$x = \frac{2(7g + 34\sqrt{3})}{7}$

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