

Rearranging Equations

Make x as the subject in each problem.

1) $\frac{x}{w^3} - \frac{15u^2}{s^2} = -1$

2) $3 = \frac{x}{-8x + 9n}$

3) $-5m = -n +$

PREVIEW

 $\frac{4}{x}$

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 $y - \frac{x}{3}$

5) $0 = \frac{24t - 1}{39}$

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7) $\frac{x\sqrt{a}}{d} - 25c = 9a - 18c$

8) $-6pq + 36 = p(q - 20x)$

Rearranging Equations

Make x as the subject in each problem.

$$1) \quad \frac{x}{w^3} - \frac{15u^2}{s^2} = -1$$

$$2) \quad 3 = \frac{x}{-8x + 9n}$$

$$x = \frac{w^3(15u^2 - s^2)}{s^2}$$

$$x = \frac{27n}{25}$$

$$3) \quad -5m = -n +$$

PREVIEW

 $\frac{4}{x}$

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$$x = \frac{6(n - 5)}{n}$$

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 $\frac{1}{y}$

$$5) \quad 0 = \frac{24t - 1}{39}$$

 $y - \frac{x}{3}$

$$x = \frac{24t}{11}$$

 $\frac{y}{-}$

$$7) \quad \frac{x\sqrt{a}}{d} - 25c = 9a - 18c$$

$$8) \quad -6pq + 36 = p(q - 20x)$$

$$x = \frac{9ad + 7cd}{\sqrt{a}}$$

$$x = \frac{7pq - 36}{20p}$$