

Name : \_\_\_\_\_

## Rearranging Equations

T1MS2

Make  $x$  as the subject in each problem.

1)  $\frac{m}{4} = \frac{4(1 + 2x)}{v}$

2)  $w + 9 = \frac{-26x + 14z}{3}$

3)  $\frac{39h^2x}{8} = 5k$

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5)  $5 = \frac{21q}{4(x + r)}$

7)  $0 = -28 + 12(xb + a)$

8)  $x(c - 20) = 5xc - 1$

**Rearranging Equations**

Make  $x$  as the subject in each problem.

$$1) \quad \frac{m}{4} = \frac{4(1 + 2x)}{v}$$

$$2) \quad w + 9 = \frac{-26x + 14z}{3}$$

$$x = \frac{mv - 16}{32}$$

$$x = \frac{14z - 3w - 27}{26}$$

$$3) \quad \frac{39h^2x}{8} = 5k$$

# PREVIEW

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$$x = \frac{40kr}{39h^2}$$

$$5) \quad 5 = \frac{21q}{4(x + r)}$$

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$$x = \frac{21q - 20r}{20}$$

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$$7) \quad 0 = -28 + 12(xb + a)$$

$$8) \quad x(c - 20) = 5xc - 1$$

$$x = \frac{7 - 3a}{3b}$$

$$x = \frac{1}{4c + 20}$$