

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

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## Two-Step Equations with Distributive Property

Solve the given equations using distributive property.

①  $2(2 + m) = 16$

②  $3(3 + f) = -15$

③  $4 = 4(g + 3)$

④  $-2(x - 3) = 30$

⑤  $3(c + 5) = 12$

⑥  $6(3x + 5) = 39$

⑦  $8p - 1 = 6p - 5$

⑧  $3(2x + 7) = 27$

⑨  $10(5k + 8) = 10$

⑩  $5(a + 7) = 75$

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## Two-Step Equations with Distributive Property

### Answers

①  $2(2 + m) = 16$

$m = 6$

②  $3(3 + f) = -15$

$f = -8$

③  $4 = 4(g + 3)$

$g = -2$

④  $-2(x - 3) = 30$

$x = -12$

⑤  $3(c + 5) = 12$

$c = -1$

⑥  $6(3x + 5) = 39$

$x = \frac{1}{2}$

⑦  $8p - 1 = 6p - 5$

$p = -2$

⑧  $3(2x + 7) = 27$

$x = 1$

⑨  $10(5k + 8) = 10$

$k = -\frac{7}{5}$

⑩  $5(a + 7) = 75$

$a = 8$