MATH
MONKS

Multi-Step Equations with Distributive Property

Solve the given equations.

1 $20(x + 1) = 200$

2 $3(x + 9) = 27$

3 $x + 3 - 3 = -6$

4 $-3(4p - 8) = -36$

5 $-16 + 5q = -7(-6 + 8q) + 3$

6 $14(2k + 11) = 14(k + 12)$

7 $10(p + 3) - (-9p - 4) = p - 5 + 3$

8 $20 = 5(-3 + x)$

9 $5(c + 2) = -20$

10 $-2c - 5 - 2c = -9$

Name : _____

Multi-Step Equations with Distributive Property

Answers

① $20(x + 1) = 200$

$x = 9$

② $3(x + 9) = 27$

$x = 0$

③ $x + 3 - 3 = -6$

$x = -6$

④ $-3(4p - 8) = -36$

$p = 5$

⑤ $-16 + 5q = -7(-6 + 8q) + 3$

$q = 1$

⑥ $14(2k + 11) = 14(k + 12)$

$k = 1$

⑦ $10(p + 3) - (-9p - 4) = p - 5 + 3$

$p = -2$

⑧ $20 = 5(-3 + x)$

$x = 7$

⑨ $5(c + 2) = -20$

$c = -6$

⑩ $-2c - 5 - 2c = -9$

$c = 1$