

Name : _____

Distributive Property Worksheet

Direction: Solve each equation using the distributive property.

① $6(-7x + 8) = 3$

② $7(3x + 7) = 280$

③ $5(7 + 2x) = 155$

④ $9(6x + 3) = 5$

⑤ $-9(-3 - 8x) = -3$

⑥ $2(-3 + 3x) = 18$

⑦ $-7(2 - 6y) = 196$

⑧ $-3(1 - 2p) = 51$

⑨ $7(-1 - 8x) = 8$

⑩ $5(2 - 5x) = 5$

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Distributive Property Worksheet

Answers

① $6(-7x + 8) = 3$

$$x = \frac{15}{14}$$

② $7(3x + 7) = 280$

$$x = 12$$

③ $5(7 + 2x) = 155$

$$x = 12$$

④ $9(6x + 3) = 5$

$$x = -\frac{11}{27}$$

⑤ $-9(-3 - 8x) = -3$

$$x = -\frac{5}{12}$$

⑥ $2(-3 + 3x) = 18$

$$x = 4$$

⑦ $-7(2 - 6y) = 196$

$$y = 5$$

⑧ $-3(1 - 2p) = 51$

$$p = 9$$

⑨ $7(-1 - 8x) = 8$

$$x = -\frac{15}{56}$$

⑩ $5(2 - 5x) = 5$

$$x = \frac{1}{5}$$