

Distributive Property Worksheet

Simplify each expression.

① $4(-6n + 4)$

② $6(-a - 4)$

③ $(5g - 10)(-9)$

④ $-6(a + 2)$

⑤ $8(1 - 8n)$

⑥ $(-5)(11x - 2)$

⑦ $(3 - 4x)(-7)$

⑧ $-4(4 + 2p)$

Use the distributive property and combine like terms to simplify each expression.

⑨ $-5(a - 6) + 2a$

⑩ $-3 - 7(-3 - 6v)$

⑪ $-6(p + 2) - 2$

⑫ $6n - (4 - 4n)$

⑬ $5(-3x + 7) + 5(x - 1)$

⑭ $-5(l + 2) + 5(l - 5)$

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Answers.

$$\textcircled{1} \quad 4(-6n + 4)$$

$$\text{Ans: } -24n + 16$$

$$\textcircled{3} \quad (5g - 10)(-9)$$

$$\text{Ans: } -45g + 90$$

$$\textcircled{5} \quad 8(1 - 8n)$$

$$\text{Ans: } 8 - 64n$$

$$\textcircled{7} \quad (3 - 4x)(-7)$$

$$\text{Ans: } -21 + 28x$$

$$\textcircled{9} \quad -5(a - 6) + 2a$$

$$\text{Ans: } -3a + 30$$

$$\textcircled{11} \quad -6(p + 2) - 2$$

$$\text{Ans: } -6p - 14$$

$$\textcircled{13} \quad 5(-3x + 7) + 5(x - 1)$$

$$\text{Ans: } -10x + 30$$

$$\textcircled{2} \quad 6(-a - 4)$$

$$\text{Ans: } -6a - 24$$

$$\textcircled{4} \quad -6(a + 2)$$

$$\text{Ans: } -6a - 12$$

$$\textcircled{6} \quad (-5)(11x - 2)$$

$$\text{Ans: } -55x + 10$$

$$\textcircled{8} \quad -4(4 + 2p)$$

$$\text{Ans: } -16 - 8p$$

$$\textcircled{10} \quad -3 - 7(-3 - 6v)$$

$$\text{Ans: } 18 + 42v$$

$$\textcircled{12} \quad 6n - (4 - 4n)$$

$$\text{Ans: } 10n - 4$$

$$\textcircled{14} \quad -5(l + 2) + 5(l - 5)$$

$$\text{Ans: } -35$$