

Distributive Property: Simplify

$$1. \quad -3x - 10(x + 10)$$

$$2. \quad 5(7x + 3) - 9x$$

$$3. \quad -(4 - 5x) - 5$$

$$4. \quad 5(1 - 10x) - 1$$

$$5. \quad 2 - 6(x + 8)$$

$$6. \quad 7x - 9(-9 + 3x)$$

$$7. \quad -4(1 - 8r) + 5r$$

$$8. \quad -7(1 - 4x) + 7x$$

$$9. \quad 9x - 2(1 + 2x)$$

$$10. \quad 4 - 8(5 + 8x)$$

Answers:

1. $-3x - 10(x + 10)$
 $-13x - 100$

2. $5(7x + 3) - 9x$
 $26x + 15$

3. $-(4 - 5x) - 5$
 $-9 + 5x$

4. $5(1 - 10x) - 1$
 $4 - 50x$

5. $2 - 6(x + 8)$
 $-46 - 6x$

6. $7x - 9(-9 + 3x)$
 $-20x + 81$

7. $-4(1 - 8r) + 5r$
 $-4 + 37r$

8. $-7(1 - 4x) + 7x$
 $-7 + 35x$

9. $9x - 2(1 + 2x)$
 $5x - 2$

10. $4 - 8(5 + 8x)$
 $-36 - 64x$