

1. $2(x + 3)$

$$2(x) + 2(3)$$

Answer: $2x + 6$

2. $5(x - 4)$

$$5(x) - 5(4)$$

Answer: $5x - 20$

3. $3(2x + 1)$

$$3(2x) + 3(1)$$

Answer: $6x + 3$

4. $-2(x + 5)$

$$-2(x) + -2(5)$$

Answer: $-2x - 10$

5. $-4(3x - 2)$

$$-12x + 8 \text{ (watch signs)}$$

Answer: $-12x + 8$

6. $x(x + 6)$

$$x(x) + x(6)$$

Answer: $x^2 + 6x$

7. $2(3x + 4) + 5$

$$6x + 8, \text{ then } + 5$$

Answer: $6x + 13$

8. $3(x + 2) + 2(x + 1)$

$$3x + 6 \text{ and } 2x + 2$$

Combine

Answer: $5x + 8$

9. $5(2x - 3) - 2(4x - 6)$ ★ challenge

$$10x - 15 \text{ and } -8x + 12 \text{ (deliver the -2!)}$$

$$x: 2x; \text{ numbers: } -3$$

Answer: $2x - 3$

10. $-3[2x - 4(x - 1)]$ ★ challenge

$$\text{Inner delivery: } -4x + 4$$

$$\text{Bracket: } 2x - 4x + 4 = -2x + 4$$

$$\text{Outer: } -3(-2x + 4)$$

Answer: $6x - 12$