

Adding & Subtracting Linear Expressions (G)

Simplify each expression.

1. $2(9a + 7) + 8(-5a + 6)$

2. $-7(-8w + 4) + 3(-9w + 5)$

3. $-4(2q - 3) + 2(-7q + 4)$

4. $-6(-9r - 4) - 8(r + 4)$

5. $7(-9m + 8) + 4(-m + 8)$

6. $-9(-c + 1) + 4(-5c + 7)$

7. $-2(4g - 6) + 6(9g - 3)$

8. $3(-6x + 4) + 9(-6x + 2)$

9. $-3(-x - 3) - 5(2x - 4)$

10. $5(6v + 6) - 6(7v + 4)$

Adding & Subtracting Linear Expressions (G) Answers

Simplify each expression.

1. $2(9a + 7) + 8(-5a + 6)$
 $-22a + 62$

2. $-7(-8w + 4) + 3(-9w + 5)$
 $29w - 13$

3. $-4(2q - 3) + 2(-7q + 4)$
 $-22q + 20$

4. $-6(-9r - 4) - 8(r + 4)$
 $46r - 8$

5. $7(-9m + 8) + 4(-m + 8)$
 $-67m + 88$

6. $-9(-c + 1) + 4(-5c + 7)$
 $-11c + 19$

7. $-2(4g - 6) + 6(9g - 3)$
 $46g - 6$

8. $3(-6x + 4) + 9(-6x + 2)$
 $-72x + 30$

9. $-3(-x - 3) - 5(2x - 4)$
 $-7x + 29$

10. $5(6v + 6) - 6(7v + 4)$
 $-12v + 6$