

Adding Linear Expressions (A)

Simplify each expression.

1. $9(7q - 7) + (5q - 9)$

2. $3(5x + 3) + 8(3x + 6)$

3. $(-f - 9) + (-f - 9)$

4. $(4x + 7) + (9x + 2)$

5. $5(2b - 5) + (-6b + 5)$

6. $(9k - 3) + 4(7k + 6)$

7. $-7(-a - 7) + (9a + 5)$

8. $(-8z + 7) + (-z - 8)$

9. $4(8v + 4) + (6v + 6)$

10. $5(-6h - 8) + (-2h + 5)$

Adding Linear Expressions (A) Answers

Simplify each expression.

1. $9(7q - 7) + (5q - 9)$
 $68q - 72$

2. $3(5x + 3) + 8(3x + 6)$
 $39x + 57$

3. $(-f - 9) + (-f - 9)$
 $-2f - 18$

4. $(4x + 7) + (9x + 2)$
 $13x + 9$

5. $5(2b - 5) + (-6b + 5)$
 $4b - 20$

6. $(9k - 3) + 4(7k + 6)$
 $37k + 21$

7. $-7(-a - 7) + (9a + 5)$
 $16a + 54$

8. $(-8z + 7) + (-z - 8)$
 $-9z - 1$

9. $4(8v + 4) + (6v + 6)$
 $38v + 22$

10. $5(-6h - 8) + (-2h + 5)$
 $-32h - 35$

Adding Linear Expressions (B)

Simplify each expression.

1. $(-4y + 9) + (-4y - 9)$

2. $(-2g + 5) + (-7g - 3)$

3. $-3(6z - 1) + 5(-z + 6)$

4. $-9(-7r - 6) + 8(-3r - 7)$

5. $(-4y + 2) + 6(y - 6)$

6. $-9(-4x - 3) + (-9x + 5)$

7. $5(-7m - 4) + (-6m - 8)$

8. $-9(2g - 8) + (-7g + 1)$

9. $6(8g - 2) + (4g - 4)$

10. $-5(-4c - 1) + (-7c - 4)$

Adding Linear Expressions (B) Answers

Simplify each expression.

1. $(-4y + 9) + (-4y - 9)$
 $-8y$

2. $(-2g + 5) + (-7g - 3)$
 $-9g + 2$

3. $-3(6z - 1) + 5(-z + 6)$
 $-23z + 33$

4. $-9(-7r - 6) + 8(-3r - 7)$
 $39r - 2$

5. $(-4y + 2) + 6(y - 6)$
 $2y - 34$

6. $-9(-4x - 3) + (-9x + 5)$
 $27x + 32$

7. $5(-7m - 4) + (-6m - 8)$
 $-41m - 28$

8. $-9(2g - 8) + (-7g + 1)$
 $-25g + 73$

9. $6(8g - 2) + (4g - 4)$
 $52g - 16$

10. $-5(-4c - 1) + (-7c - 4)$
 $13c + 1$

Adding Linear Expressions (C)

Simplify each expression.

1. $(9n + 2) + (8n + 2)$

2. $7(9k - 9) + (-8k + 9)$

3. $(-8d + 8) + 8(-4d - 9)$

4. $-4(7b + 1) + 8(-9b - 9)$

5. $2(-4z + 5) + 2(-9z + 7)$

6. $-4(8w - 9) + (9w - 1)$

7. $(9z - 6) + (-3z - 9)$

8. $-8(9g - 7) + (-5g - 3)$

9. $(2s + 5) + 6(-3s + 4)$

10. $-5(-6k + 4) + 2(3k + 2)$

Adding Linear Expressions (C) Answers

Simplify each expression.

1. $(9n + 2) + (8n + 2)$

$17n + 4$

2. $7(9k - 9) + (-8k + 9)$

$55k - 54$

3. $(-8d + 8) + 8(-4d - 9)$

$-40d - 64$

4. $-4(7b + 1) + 8(-9b - 9)$

$-100b - 76$

5. $2(-4z + 5) + 2(-9z + 7)$

$-26z + 24$

6. $-4(8w - 9) + (9w - 1)$

$-23w + 35$

7. $(9z - 6) + (-3z - 9)$

$6z - 15$

8. $-8(9g - 7) + (-5g - 3)$

$-77g + 53$

9. $(2s + 5) + 6(-3s + 4)$

$-16s + 29$

10. $-5(-6k + 4) + 2(3k + 2)$

$36k - 16$

Adding Linear Expressions (D)

Simplify each expression.

1. $(-9h + 5) + (-9h + 3)$

2. $(-9t + 3) + (6t - 7)$

3. $(2p + 8) + 8(-6p + 5)$

4. $-3(-6n + 4) + (-6n + 4)$

5. $-6(8w - 1) + 4(6w + 5)$

6. $(4f + 7) + (-9f + 8)$

7. $7(3s + 4) + (5s - 4)$

8. $-(-9s + 2) + 4(-6s - 2)$

9. $(8f + 2) + 6(-f + 2)$

10. $3(2w + 8) + 9(-2w + 5)$

Adding Linear Expressions (D) Answers

Simplify each expression.

1. $(-9h + 5) + (-9h + 3)$
 $-18h + 8$

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

3. $(2p + 8) + 8(-6p + 5)$
 $-46p + 48$

4. $-3(-6n + 4) + (-6n + 4)$
 $12n - 8$

5. $-6(8w - 1) + 4(6w + 5)$
 $-24w + 26$

6. $(4f + 7) + (-9f + 8)$
 $-5f + 15$

7. $7(3s + 4) + (5s - 4)$
 $26s + 24$

8. $-(-9s + 2) + 4(-6s - 2)$
 $-15s - 10$

9. $(8f + 2) + 6(-f + 2)$
 $2f + 14$

10. $3(2w + 8) + 9(-2w + 5)$
 $-12w + 69$

Adding Linear Expressions (E)

Simplify each expression.

1. $(9b + 1) + 6(4b + 6)$

2. $(7f - 6) + (-5f + 3)$

3. $(7m - 8) + 7(-9m - 6)$

4. $(5p - 7) + (-8p - 2)$

5. $-4(6m + 7) + (6m + 9)$

6. $2(3v - 1) + 9(-v - 9)$

7. $-7(4k - 1) + (k - 3)$

8. $(-4f - 9) + 7(9f + 4)$

9. $-5(-6d + 2) + 5(4d - 6)$

10. $-6(8g + 4) + 5(-3g + 2)$

Adding Linear Expressions (E) Answers

Simplify each expression.

1. $(9b + 1) + 6(4b + 6)$

$33b + 37$

2. $(7f - 6) + (-5f + 3)$

$2f - 3$

3. $(7m - 8) + 7(-9m - 6)$

$-56m - 50$

4. $(5p - 7) + (-8p - 2)$

$-3p - 9$

5. $-4(6m + 7) + (6m + 9)$

$-18m - 19$

6. $2(3v - 1) + 9(-v - 9)$

$-3v - 83$

7. $-7(4k - 1) + (k - 3)$

$-27k + 4$

8. $(-4f - 9) + 7(9f + 4)$

$59f + 19$

9. $-5(-6d + 2) + 5(4d - 6)$

$50d - 40$

10. $-6(8g + 4) + 5(-3g + 2)$

$-63g - 14$

Adding Linear Expressions (F)

Simplify each expression.

1. $3(6m - 4) + 7(-4)$

2. $-3(4v + 9) + 9(2v - 6)$

3. $(7x - 5) + (8x - 9)$

4. $(3b - 7) + (8b + 4)$

5. $(-3f - 8) + 3(6f - 3)$

6. $-6(5d + 4) + (-4d - 7)$

7. $9(-4d + 5) + (9d - 5)$

8. $(-8y - 2) + 4(3y + 9)$

9. $(-7t + 1) + (-2t + 9)$

10. $(5b - 2) + 8(b + 9)$

Adding Linear Expressions (F) Answers

Simplify each expression.

1. $3(6m - 4) + 7(-4)$

$18m - 40$

2. $-3(4v + 9) + 9(2v - 6)$

$6v - 81$

3. $(7x - 5) + (8x - 9)$

$15x - 14$

4. $(3b - 7) + (8b + 4)$

$11b - 3$

5. $(-3f - 8) + 3(6f - 3)$

$15f - 17$

6. $-6(5d + 4) + (-4d - 7)$

$-34d - 31$

7. $9(-4d + 5) + (9d - 5)$

$-27d + 40$

8. $(-8y - 2) + 4(3y + 9)$

$4y + 34$

9. $(-7t + 1) + (-2t + 9)$

$-9t + 10$

10. $(5b - 2) + 8(b + 9)$

$13b + 70$

Adding Linear Expressions (G)

Simplify each expression.

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

2. $(6n - 7) + 9(-n - 9)$

3. $(-4h + 6) + (-h - 9)$

4. $(9v - 2) + (2v + 9)$

5. $(6w - 8) + (9w + 9)$

6. $(-2a - 6) + 7(3a + 5)$

7. $(-v - 4) + 3(7)$

8. $(-8t) + 9(3t + 8)$

9. $2(7y + 9) + (-4y - 1)$

10. $-(-5f + 1) + (3f + 5)$

Adding Linear Expressions (G) Answers

Simplify each expression.

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

$44a + 28$

2. $(6n - 7) + 9(-n - 9)$

$-3n - 88$

3. $(-4h + 6) + (-h - 9)$

$-5h - 3$

4. $(9v - 2) + (2v + 9)$

$11v + 7$

5. $(6w - 8) + (9w + 9)$

$15w + 1$

6. $(-2a - 6) + 7(3a + 5)$

$19a + 29$

7. $(-v - 4) + 3(7)$

$-v + 17$

8. $(-8t) + 9(3t + 8)$

$19t + 72$

9. $2(7y + 9) + (-4y - 1)$

$10y + 17$

10. $-(-5f + 1) + (3f + 5)$

$8f + 4$

Adding Linear Expressions (H)

Simplify each expression.

1. $-6(9h + 7) + (-3h + 1)$

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

3. $(-8f + 4) + 7(f - 4)$

4. $2(-9t + 8) + 3(-4t + 3)$

5. $2(2r - 7) + (9r - 8)$

6. $(p + 7) + (p + 3)$

7. $(8s + 7) + 7(-3s + 9)$

8. $5(-9c + 5) + 4(-5c - 9)$

9. $-4(-7v + 4) + 3(-2v - 3)$

10. $(-3v - 4) + 6(6v + 7)$

Adding Linear Expressions (H) Answers

Simplify each expression.

1. $-6(9h + 7) + (-3h + 1)$
 $-57h - 41$

2. $-4(2w + 5) + 8(2w + 9)$
 $8w + 52$

3. $(-8f + 4) + 7(f - 4)$
 $-f - 24$

4. $2(-9t + 8) + 3(-4t + 3)$
 $-30t + 25$

5. $2(2r - 7) + (9r - 8)$
 $13r - 22$

6. $(p + 7) + (p + 3)$
 $2p + 10$

7. $(8s + 7) + 7(-3s + 9)$
 $-13s + 70$

8. $5(-9c + 5) + 4(-5c - 9)$
 $-65c - 11$

9. $-4(-7v + 4) + 3(-2v - 3)$
 $22v - 25$

10. $(-3v - 4) + 6(6v + 7)$
 $33v + 38$

Adding Linear Expressions (I)

Simplify each expression.

1. $4(4g + 7) + 4(-7g - 7)$

2. $-2(-5c + 4) + 2(6c + 9)$

3. $7(4p - 5) + 8(7p + 3)$

4. $-7(t - 7) + (-8t + 7)$

5. $2(-7v - 1) + (-v + 6)$

6. $(-3f + 8) + (3f + 5)$

7. $(4q - 8) + (-8q - 5)$

8. $(-7v + 7) + 7(4v - 5)$

9. $(-5y + 6) + (y + 3)$

10. $(6z + 6) + (-7z + 7)$

Adding Linear Expressions (I) Answers

Simplify each expression.

1. $4(4g + 7) + 4(-7g - 7)$
 $-12g$

2. $-2(-5c + 4) + 2(6c + 9)$
 $22c + 10$

3. $7(4p - 5) + 8(7p + 3)$
 $84p - 11$

4. $-7(t - 7) + (-8t + 7)$
 $-15t + 56$

5. $2(-7v - 1) + (-v + 6)$
 $-15v + 4$

6. $(-3f + 8) + (3f + 5)$
 13

7. $(4q - 8) + (-8q - 5)$
 $-4q - 13$

8. $(-7v + 7) + 7(4v - 5)$
 $21v - 28$

9. $(-5y + 6) + (y + 3)$
 $-4y + 9$

10. $(6z + 6) + (-7z + 7)$
 $-z + 13$

Adding Linear Expressions (J)

Simplify each expression.

1. $(8m - 9) + 5(7m - 5)$

2. $(2d - 3) + 9(-4d - 7)$

3. $-4(-6p + 4) + 2(-p - 1)$

4. $-5(5q - 4) + 4(4q - 2)$

5. $(5r - 8) + 3(-3r + 3)$

6. $-6(-2a + 6) + 2(-6a + 7)$

7. $4(-6r + 1) + 6(r - 4)$

8. $7(-5f - 2) + 4(3f - 1)$

9. $(-9a + 4) + 8(8a - 2)$

10. $(-6f - 9) + 9(-7)$

Adding Linear Expressions (J) Answers

Simplify each expression.

1. $(8m - 9) + 5(7m - 5)$
 $43m - 34$

2. $(2d - 3) + 9(-4d - 7)$
 $-34d - 66$

3. $-4(-6p + 4) + 2(-p - 1)$
 $22p - 18$

4. $-5(5q - 4) + 4(4q - 2)$
 $-9q + 12$

5. $(5r - 8) + 3(-3r + 3)$
 $-4r + 1$

6. $-6(-2a + 6) + 2(-6a + 7)$
 -22

7. $4(-6r + 1) + 6(r - 4)$
 $-18r - 20$

8. $7(-5f - 2) + 4(3f - 1)$
 $-23f - 18$

9. $(-9a + 4) + 8(8a - 2)$
 $55a - 12$

10. $(-6f - 9) + 9(-7)$
 $-6f - 72$