Simplifying Linear Expressions (A)

Simplify each expression by combining like terms.

1. 5r - 7 - 1 - 3r + r + 4r + 9 + 6 - 2r

2. -9p + 3 + 4p + 7p - 4p - 4p

3. 8p - 3 + 9p + 6p + 2p - 6p - 3p - 9p

4. -6c + 2c - 4c + 2 - 4c + 6c - 1 - 3 + 5c

5. -9v - 9 - 5v - 5 - v + 2 - 8 - 9 + 7v + 5v

6. -g - 4 - 5 - 9 + 5g + 7 - 9 + g - 9g

7. 3 + 8 - 3z - 5 - 9z - 1 - 6 - 4

8. -9m - 8 - 3m + 8m - 7m + 4 + 3 + 4 - m

9. 3p - 3p + 3p + p + 7p + 7 - 4 - 3 - 3p - 7p

10. 9c + 9 + 2 - 8c + 6c - 5c - 9

Simplifying Linear Expressions (A) Answers

Simplify each expression by combining like terms.

1. 5r - 7 - 1 - 3r + r + 4r + 9 + 6 - 2r
   = 5r + 7

2. -9p + 3 + 4p + 7p - 4p - 4p
   = -6p + 3

3. 8p - 3 + 9p + 6p + 2p - 6p - 3p - 9p
   = 7p - 3

4. -6c + 2c - 4c + 2 - 4c + 6c - 1 - 3 + 5c
   = -c - 2

5. -9v - 9 - 5v - 5 - v + 2 - 8 - 9 + 7v + 5v
   = -3v - 29

6. -g - 4 - 5 - 9 + 5g + 7 - 9 + g - 9g
   = -4g - 20

7. 3 + 8 - 3z - 5 - 9z - 1 - 6 - 4
   = -12z - 5

8. -9m - 8 - 3m + 8m - 7m + 4 + 3 + 4 - m
   = -12m + 3

9. 3p - 3p + 3p + p + 7p + 7 - 4 - 3 - 3p - 7p
   = p

10. 9c + 9 + 2 - 8c + 6c - 5c - 9
    = 2c + 2

Simplifying Linear Expressions (B)

Simplify each expression by combining like terms.

1. 5r + 8r - 2r + 5 + 8r - 1 - 6r - 8 + 7r + 4r

2. -6 + 2h + 3h - 6h - h + 2h - 7 - 9 + 2h - 5h

3. 7 + 6z + 4z + 4 - 5z - z - 9z

4. 1 - 3 + 1 + 8y + y - 9 + 9y + 1 - 7y

5. -v + 4 + 9 + 9v - 8 + 9v + 6 - 2v - 3v

6. -1 - 2 - 2k - k - 1 + 2 - 6 - 3 - 9

7. 5j + 1 + 8 - 7 - 4j + 5

8. 8d - 9 + 4 + 6d + 5d + 5 - 5d - 3 - 4d

9. a + 8 + 8a + 2a - 5a - 2 - 3a - 3a + 8a

10. 6h - 9h - 8h + 3h + 8h + 8 + 5h + h + 9 - 9

Simplify each expression by combining like terms.

1. 5r + 8r - 2r + 5 + 8r - 1 - 6r - 8 + 7r + 4r
   = 24r - 4

2. -6 + 2h + 3h - 6h - h + 2h - 7 - 9 + 2h - 5h
   = -3h - 22

3. 7 + 6z + 4z + 4 - 5z - z - 9z
   = -5z + 11

4. 1 - 3 + 1 + 8y + y - 9 + 9y + 1 - 7y
   = 11y - 9

5. -v + 4 + 9 + 9v - 8 + 9v + 6 - 2v - 3v
   = 12v + 11

6. -1 - 2 - 2k - k - 1 + 2 - 6 - 3 - 9
   = -3k - 20

7. 5j + 1 + 8 - 7 - 4j + 5
   = j + 7

8. 8d - 9 + 4 + 6d + 5d + 5 - 5d - 3 - 4d
   = 10d - 3

9. a + 8 + 8a + 2a - 5a - 2 - 3a - 3a + 8a
   = 8a + 6

10. 6h - 9h - 8h + 3h + 8h + 8 + 5h + h + 9 - 9
    = 6h + 8

Simplifying Linear Expressions (C)

Simplify each expression by combining like terms.

1. 3 + 8 + 9 + 3w + w + 2w - 4w + 8

2. 3 + 7m - 8 - 1 - 9m - 2m - m + 2 - 2 - 5

3. 7v - 4 - 9 + v - 9v + 2v - 3 + 8 + 6 - 4

4. 9 + 7x + 5x - 1 - 9 - 2 + 6x - x

5. 4a - 4a - 1 - 7 + 5a + 5a + 9

6. -1 + k - k - k - 7 - 3 + 1 + 6 + 1

7. -7h - 6 + 3h + 7h + 6h - 2h + 2 - 9 - 3

8. -2 + 2 + 5f + 2f + 5 + 9 + 4f - 3f

9. -p - 6p + 2p - 7p - 6p + 6

10. -6 + 1 - 3w + 4 + 6w + 4w + 9w - 4 + 5w - 6w

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Simplifying Linear Expressions (C) Answers

Simplify each expression by combining like terms.

1. 3 + 8 + 9 + 3w + w + 2w - 4w + 8
   = 2w + 28

2. 3 + 7m - 8 - 1 - 9m - 2m - m + 2 - 2 - 5
   = -5m - 11

3. 7v - 4 - 9 + v - 9v + 2v - 3 + 8 + 6 - 4
   = v - 6

4. 9 + 7x + 5x - 1 - 9 - 2 + 6x - x
   = 17x - 3

5. 4a - 4a - 1 - 7 + 5a + 5a + 9
   = 10a + 1

6. -1 + k - k - k - 7 - 3 + 1 + 6 + 1
   = -k - 3

7. -7h - 6 + 3h + 7h + 6h - 2h + 2 - 9 - 3
   = 7h - 16

8. -2 + 2 + 5f + 2f + 5 + 9 + 4f - 3f
   = 8f + 14

9. -p - 6p + 2p - 7p - 6p + 6
   = -18p + 6

10. -6 + 1 - 3w + 4 + 6w + 4w + 9w - 4 + 5w - 6w
    = 15w - 5

Simplifying Linear Expressions (D)

Simplify each expression by combining like terms.

1. -3 + 7 + 9 + 3v + v - 8 + 3 - 2v

2. -q + 5q + q + 3 + 2q + 8q + q - 4q + 4

3. -g + 9g - 5g - 5g + 8g - 9g - 3g

4. -3r - 2r - 6 - 1 - 7r + 9r

5. 9t + t + 9t - 3t + 4 + 8t + 1 - 2 - 6

6. -2z + 7z + 6z - 3z - 4 + 9 - 1 + 8z + 5

7. 2k - 9 - 9k + 3k + 7k + 7k + 9 + 5k

8. -j - 3j - 9j - 4 + 7 - 6j - 7j - 8 + 5j

9. 5b + b - 6 + 5 + 9 + 3

10. -7n - 8n - 9 + 5n + 3 + n + 5 + 6 - 6

Simplify each expression by combining like terms.

1. -3 + 7 + 9 + 3v + v - 8 + 3 - 2v
   = 2v + 8

2. -q + 5q + q + 3 + 2q + 8q + q - 4q + 4
   = 12q + 7

3. -g + 9g - 5g - 5g + 8g - 9g - 3g
   = -6g

4. -3r - 2r - 6 - 1 - 7r + 9r
   = -3r - 7

5. 9t + t + 9t - 3t + 4 + 8t + 1 - 2 - 6
   = 24t - 3

6. -2z + 7z + 6z - 3z - 4 + 9 - 1 + 8z + 5
   = 16z + 9

7. 2k - 9 - 9k + 3k + 7k + 7k + 9 + 5k
   = 15k

8. -j - 3j - 9j - 4 + 7 - 6j - 7j - 8 + 5j
   = -21j - 5

9. 5b + b - 6 + 5 + 9 + 3
   = 6b + 11

10. -7n - 8n - 9 + 5n + 3 + n + 5 + 6 - 6
    = -9n - 1

Simplifying Linear Expressions (E)

Simplify each expression by combining like terms.

1. -q + 8q + 5q + 2q + 7 - q

2. -9 + 8 + 3 + 5 - 6 - 6c - 8

3. 4 - d - 1 - 2d + 3d - 1 + 9

4. -5n + 2n + 8 + 8 + 9n - 3 - n - 8 - 5 + 6

5. 6d - 7 + 2d + 9d + 8 - 6 + 2d - 3d - 4

6. 3q - 3 + 3q - 8q + 7q - 3 + 6q - 4 + q

7. 6 + 7p - 6p - 5 + 7p - 8

8. 7s - 7s - 7s - s + s - s - 1

9. 5 - 6b - 5b + 3 - 8 + 9 + 3 - 5b + 9 - 3b

10. -5 + 3x - 2 + 3 - 6x - 7

Simplifying Linear Expressions (E) Answers

Simplify each expression by combining like terms.

1. -q + 8q + 5q + 2q + 7 - q
   = 13q + 7

2. -9 + 8 + 3 + 5 - 6 - 6c - 8
   = -6c - 7

3. 4 - d - 1 - 2d + 3d - 1 + 9
   = 11

4. -5n + 2n + 8 + 8 + 9n - 3 - n - 8 - 5 + 6
   = 5n + 6

5. 6d - 7 + 2d + 9d + 8 - 6 + 2d - 3d - 4
   = 16d - 9

6. 3q - 3 + 3q - 8q + 7q - 3 + 6q - 4 + q
   = 12q - 10

7. 6 + 7p - 6p - 5 + 7p - 8
   = 8p - 7

8. 7s - 7s - 7s - s + s - s - 1
   = -8s - 1

9. 5 - 6b - 5b + 3 - 8 + 9 + 3 - 5b + 9 - 3b
   = -19b + 21

10. -5 + 3x - 2 + 3 - 6x - 7
    = -3x - 11

Simplifying Linear Expressions (F)

Simplify each expression by combining like terms.

1. -2x - 5x + 7x + 2 - 9 + 2 + 7x + 2x + 9x

2. 3 + 3 - 4f - 6f + 3f + 5f

3. -9 + 7s - 1 - 9 - 8 - 6s - 7s - 9s - 9 + 2

4. 5m - m + m + 4 - 7m - 4 - 3m

5. -3 - 6 + 6y + 1 - 8y + 7y

6. 6 + 3 - 4m - 7 - 6m - 7m + 2m + 9m

7. -9 + 5 + 7b + 2b + 2b - 9b

8. -3a + 3 - 6 + 1 + 1 + 3

9. c + 7c - 2 - 9 + 6c + 3 + 4c - 9

10. -7 + 5 + r + 1 - 2 + 9 + 5r - 2r + 9 + r

Simplifying Linear Expressions (F) Answers

Simplify each expression by combining like terms.

1. -2x - 5x + 7x + 2 - 9 + 2 + 7x + 2x + 9x
   = 18x - 5

2. 3 + 3 - 4f - 6f + 3f + 5f
   = -2f + 6

3. -9 + 7s - 1 - 9 - 8 - 6s - 7s - 9s - 9 + 2
   = -15s - 34

4. 5m - m + m + 4 - 7m - 4 - 3m
   = -5m

5. -3 - 6 + 6y + 1 - 8y + 7y
   = 5y - 8

6. 6 + 3 - 4m - 7 - 6m - 7m + 2m + 9m
   = -6m + 2

7. -9 + 5 + 7b + 2b + 2b - 9b
   = 2b - 4

8. -3a + 3 - 6 + 1 + 1 + 3
   = -3a + 2

9. c + 7c - 2 - 9 + 6c + 3 + 4c - 9
   = 18c - 17

10. -7 + 5 + r + 1 - 2 + 9 + 5r - 2r + 9 + r
    = 5r + 15

Simplifying Linear Expressions (G)

Simplify each expression by combining like terms.

1. 3 - 4t + 8t + 4 + 7 - 7 - 3 + 6 + 2t + 4

2. 7a + 6 - 4a + 7a - 2 - 9 + 9 - a - 5a + 5

3. -3 - 4 - 3a + 2a - 5a - 3 + 8 - 5

4. 3 + 3 - 7v - 2 - 3v + 1 + 4

5. -5h - 3h - 7 - 5 + 3h + 8 - 6h + 4h - h

6. -5t + t + 5 - 8t - 5t - 9 - 4 + 2

7. 1 - 2c + 7c - 2c - 9 - 9

8. 7 + 2f + 7 - 6f - 8f - 6f - 8f + 8 - 4f - 1

9. 6j - 6j - j - 6 + 7j + j

10. -4 - 6m + 9 + 4m - 3 - 9

Simplifying Linear Expressions (G) Answers

Simplify each expression by combining like terms.

1. 3 - 4t + 8t + 4 + 7 - 7 - 3 + 6 + 2t + 4
   = 6t + 14

2. 7a + 6 - 4a + 7a - 2 - 9 + 9 - a - 5a + 5
   = 4a + 9

3. -3 - 4 - 3a + 2a - 5a - 3 + 8 - 5
   = -6a - 7

4. 3 + 3 - 7v - 2 - 3v + 1 + 4
   = -10v + 9

5. -5h - 3h - 7 - 5 + 3h + 8 - 6h + 4h - h
   = -8h - 4

6. -5t + t + 5 - 8t - 5t - 9 - 4 + 2
   = -17t - 6

7. 1 - 2c + 7c - 2c - 9 - 9
   = 3c - 17

8. 7 + 2f + 7 - 6f - 8f - 6f - 8f + 8 - 4f - 1
   = -30f + 21

9. 6j - 6j - j - 6 + 7j + j
   = 7j - 6

10. -4 - 6m + 9 + 4m - 3 - 9
    = -2m - 7

Simplifying Linear Expressions (H)

Simplify each expression by combining like terms.

1. 1 - q - 5 - 7q + 8 + 8q - 3q

2. -8 + 6 + 5 - 2 - 9 - 3r - 3r

3. -2y - 7y - 5y - 1 - 7y - 2y - 9 + 4y - 4y - 6

4. -8 - 4q - 2q + 5 + 8q + 6q

5. -6h - 6h - 4 - 3h + 9h - 4 - 8

6. 6b - 9b + 5b + 8 + 2 - 8 - 3b - 2 + 2b

7. 8 - 4 - 2r + 4 + 5 - 5r - 8r + 5r - 1 - 6

8. 4 + 5c - 2c + 8 + 3 + 4c + 8c

9. 1 - 5 + 8a - 8a - 5a - 8 + 2 - 3a

10. 7w + w - w - 7w - 7 - 1 + 8w + 3 + 9w - 5w

Simplifying Linear Expressions (H) Answers

Simplify each expression by combining like terms.

1. 1 - q - 5 - 7q + 8 + 8q - 3q
   = -3q + 4

2. -8 + 6 + 5 - 2 - 9 - 3r - 3r
   = -6r - 8

3. -2y - 7y - 5y - 1 - 7y - 2y - 9 + 4y - 4y - 6
   = -23y - 16

4. -8 - 4q - 2q + 5 + 8q + 6q
   = 8q - 3

5. -6h - 6h - 4 - 3h + 9h - 4 - 8
   = -6h - 16

6. 6b - 9b + 5b + 8 + 2 - 8 - 3b - 2 + 2b
   = b

7. 8 - 4 - 2r + 4 + 5 - 5r - 8r + 5r - 1 - 6
   = -10r + 6

8. 4 + 5c - 2c + 8 + 3 + 4c + 8c
   = 15c + 15

9. 1 - 5 + 8a - 8a - 5a - 8 + 2 - 3a
   = -8a - 10

10. 7w + w - w - 7w - 7 - 1 + 8w + 3 + 9w - 5w
    = 12w - 5

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Simplifying Linear Expressions (I)

Simplify each expression by combining like terms.

1. 5m + 3m + 8m - 3 - 5m + 2

2. z - 7z - 8z - 3 - 2 + 7 + 3

3. h - 3 - 6 - 2h + 3h - 6 + 2h + 3 + 4h

4. 4s - 2 - 8 - 7s - 6s + 8s

5. 5q + 4 + 4q + 2q + 4q - q - q

6. -1 - 5 - 8d + 9d + 4d + 4

7. -6 + 5h + 5 + 9h + 5 + 2 + 3 - 8 + 8 - 8

8. 8c + 7 + 3 + 4c - 4 - 4c

9. -7 - 9 - 3g - 2g + 1 - 5

10. 3 + 3 + 7h + 4 + 7 + 3 - h - 5 + 7h + 7

Simplifying Linear Expressions (I) Answers

Simplify each expression by combining like terms.

1. 5m + 3m + 8m - 3 - 5m + 2
   = 11m - 1

2. z - 7z - 8z - 3 - 2 + 7 + 3
   = -14z + 5

3. h - 3 - 6 - 2h + 3h - 6 + 2h + 3 + 4h
   = 8h - 12

4. 4s - 2 - 8 - 7s - 6s + 8s
   = -s - 10

5. 5q + 4 + 4q + 2q + 4q - q - q
   = 13q + 4

6. -1 - 5 - 8d + 9d + 4d + 4
   = 5d - 2

7. -6 + 5h + 5 + 9h + 5 + 2 + 3 - 8 + 8 - 8
   = 14h + 1

8. 8c + 7 + 3 + 4c - 4 - 4c
   = 8c + 6

9. -7 - 9 - 3g - 2g + 1 - 5
   = -5g - 20

10. 3 + 3 + 7h + 4 + 7 + 3 - h - 5 + 7h + 7
    = 13h + 22

Simplifying Linear Expressions (J)

Simplify each expression by combining like terms.

1. -7 - 5f - 4 + 3f + 9 - 7f + 3

2. -8k - k - 7k - 3k - 9k + 9k - 4k + k + 4k - 5

3. -6y + 5 + 4 - 3y + 5y + 3y - 5

4. 6 - 2 - 5 + t + 4 - 4 + 3t + 5t

5. 8a + 8 - 3 - 4a - 7 - 7a

6. 7n + 3n - 1 - 4 - 3 - 7n + 9

7. 5 - 5 - 2r - 9 - 4r - 6r + 8 - r + 3

8. 8w + 5w - 8 + 3 + 9w + 7w + 6w

9. -7d + 2 + 2d + 7d + 7 - 6d - 8 + 6

10. -6z + 5 + 6z + 5z + 7z - 3 + 9 + 8z

Simplifying Linear Expressions (J) Answers

Simplify each expression by combining like terms.

1. -7 - 5f - 4 + 3f + 9 - 7f + 3
   = -9f + 1

2. -8k - k - 7k - 3k - 9k + 9k - 4k + k + 4k - 5
   = -18k - 5

3. -6y + 5 + 4 - 3y + 5y + 3y - 5
   = -y + 4

4. 6 - 2 - 5 + t + 4 - 4 + 3t + 5t
   = 9t - 1

5. 8a + 8 - 3 - 4a - 7 - 7a
   = -3a - 2

6. 7n + 3n - 1 - 4 - 3 - 7n + 9
   = 3n + 1

7. 5 - 5 - 2r - 9 - 4r - 6r + 8 - r + 3
   = -13r + 2

8. 8w + 5w - 8 + 3 + 9w + 7w + 6w
   = 35w - 5

9. -7d + 2 + 2d + 7d + 7 - 6d - 8 + 6
   = -4d + 7

10. -6z + 5 + 6z + 5z + 7z - 3 + 9 + 8z
    = 20z + 11