

Simplifying Linear Expressions (A)

Simplify each expression by combining like terms.

1. $-7d - 3 + 3d - 4d - 4d$

2. $-3 + 2r + 7r + 4 + 8r$

3. $-4 - 8 + 3h - 8h - 5h$

4. $8r + 9 - 4r - 3r - 8r$

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

6. $2z - 7 - 8z + 9z + 9$

7. $-1 - 9n + 8n + 7 - 7$

8. $-8r - 2r + 3r - r + 3$

9. $8w - 6w + 5 + 5 - 1$

10. $3h - 3h + 7h + 8h + 3$

Simplifying Linear Expressions (A) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & -7d - 3 + 3d - 4d - 4d \\ & = -12d - 3 \end{aligned}$$

$$\begin{aligned} 2. & -3 + 2r + 7r + 4 + 8r \\ & = 17r + 1 \end{aligned}$$

$$\begin{aligned} 3. & -4 - 8 + 3h - 8h - 5h \\ & = -10h - 12 \end{aligned}$$

$$\begin{aligned} 4. & 8r + 9 - 4r - 3r - 8r \\ & = -7r + 9 \end{aligned}$$

$$\begin{aligned} 5. & -3m - 1 + m - 5m - 2m \\ & = -9m - 1 \end{aligned}$$

$$\begin{aligned} 6. & 2z - 7 - 8z + 9z + 9 \\ & = 3z + 2 \end{aligned}$$

$$\begin{aligned} 7. & -1 - 9n + 8n + 7 - 7 \\ & = -n - 1 \end{aligned}$$

$$\begin{aligned} 8. & -8r - 2r + 3r - r + 3 \\ & = -8r + 3 \end{aligned}$$

$$\begin{aligned} 9. & 8w - 6w + 5 + 5 - 1 \\ & = 2w + 9 \end{aligned}$$

$$\begin{aligned} 10. & 3h - 3h + 7h + 8h + 3 \\ & = 15h + 3 \end{aligned}$$

Simplifying Linear Expressions (B)

Simplify each expression by combining like terms.

1. $3r + r - 3 - 3 + 7r$

2. $-4z - 2z + 1 + 6z - 4z$

3. $-7n + 8n + 1 - 1 - 7n$

4. $1 - 2x - 5 - 6x + 6$

5. $8 - 4d + 8d - 3 - 8$

6. $9 + 9 + 8 - j + 7$

7. $2g + 7g + g - 7 - 5g$

8. $7 - 3 + 9g + 3g - 2$

9. $6d + 1 - 4d - 7 - 7d$

10. $-6w - 5w + 6 - 8w + 4w$

Simplifying Linear Expressions (B) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & 3r + r - 3 - 3 + 7r \\ & = 11r - 6 \end{aligned}$$

$$\begin{aligned} 2. & -4z - 2z + 1 + 6z - 4z \\ & = -4z + 1 \end{aligned}$$

$$\begin{aligned} 3. & -7n + 8n + 1 - 1 - 7n \\ & = -6n \end{aligned}$$

$$\begin{aligned} 4. & 1 - 2x - 5 - 6x + 6 \\ & = -8x + 2 \end{aligned}$$

$$\begin{aligned} 5. & 8 - 4d + 8d - 3 - 8 \\ & = 4d - 3 \end{aligned}$$

$$\begin{aligned} 6. & 9 + 9 + 8 - j + 7 \\ & = -j + 33 \end{aligned}$$

$$\begin{aligned} 7. & 2g + 7g + g - 7 - 5g \\ & = 5g - 7 \end{aligned}$$

$$\begin{aligned} 8. & 7 - 3 + 9g + 3g - 2 \\ & = 12g + 2 \end{aligned}$$

$$\begin{aligned} 9. & 6d + 1 - 4d - 7 - 7d \\ & = -5d - 6 \end{aligned}$$

$$\begin{aligned} 10. & -6w - 5w + 6 - 8w + 4w \\ & = -15w + 6 \end{aligned}$$

Simplifying Linear Expressions (C)

Simplify each expression by combining like terms.

1. $-2q - 5q + 9 - 2 + 5$

2. $-7 + b - 5 - 3b + 3$

3. $8m - 8 - 8m + 2 + 4$

4. $8w + 3w + 7w + 2w + 2$

5. $-3t - 9t - 6t - 3 - 5t$

6. $-7v + 8 - 5v - 4 - 7$

7. $-8d + 5d + 3d - 3d - 2$

8. $-6x - 4 + 8 - x - 9x$

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

10. $-7k - 3 - 1 - 9k + 2$

Simplifying Linear Expressions (C) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & -2q - 5q + 9 - 2 + 5 \\ & = -7q + 12 \end{aligned}$$

$$\begin{aligned} 2. & -7 + b - 5 - 3b + 3 \\ & = -2b - 9 \end{aligned}$$

$$\begin{aligned} 3. & 8m - 8 - 8m + 2 + 4 \\ & = -2 \end{aligned}$$

$$\begin{aligned} 4. & 8w + 3w + 7w + 2w + 2 \\ & = 20w + 2 \end{aligned}$$

$$\begin{aligned} 5. & -3t - 9t - 6t - 3 - 5t \\ & = -23t - 3 \end{aligned}$$

$$\begin{aligned} 6. & -7v + 8 - 5v - 4 - 7 \\ & = -12v - 3 \end{aligned}$$

$$\begin{aligned} 7. & -8d + 5d + 3d - 3d - 2 \\ & = -3d - 2 \end{aligned}$$

$$\begin{aligned} 8. & -6x - 4 + 8 - x - 9x \\ & = -16x + 4 \end{aligned}$$

$$\begin{aligned} 9. & -7 - 6 + 3h + 7 - 5 \\ & = 3h - 11 \end{aligned}$$

$$\begin{aligned} 10. & -7k - 3 - 1 - 9k + 2 \\ & = -16k - 2 \end{aligned}$$

Simplifying Linear Expressions (D)

Simplify each expression by combining like terms.

1. $-7 - 7z + 9z - 3 + 7z$

2. $6d - 3 + d + 4 - 1$

3. $4j - 9j + j - 4j - 5$

4. $9n - 9 - 7n - 8n + 9n$

5. $b + 4b - 4b - 9b - b$

6. $8w + 3w - 2w + 3w - 9w$

7. $8n - 4 + 8n - 7n - 4$

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

9. $3h - 2h + 2h + 4h - 5h$

10. $-3k + 5k + 6k - 2 + 7$

Simplifying Linear Expressions (D) Answers

Simplify each expression by combining like terms.

1. $-7 - 7z + 9z - 3 + 7z$
 $= 9z - 10$

2. $6d - 3 + d + 4 - 1$
 $= 7d$

3. $4j - 9j + j - 4j - 5$
 $= -8j - 5$

4. $9n - 9 - 7n - 8n + 9n$
 $= 3n - 9$

5. $b + 4b - 4b - 9b - b$
 $= -9b$

6. $8w + 3w - 2w + 3w - 9w$
 $= 3w$

7. $8n - 4 + 8n - 7n - 4$
 $= 9n - 8$

8. $-4h + 7h + 6 - 5h - 4$
 $= -2h + 2$

9. $3h - 2h + 2h + 4h - 5h$
 $= 2h$

10. $-3k + 5k + 6k - 2 + 7$
 $= 8k + 5$

Simplifying Linear Expressions (E)

Simplify each expression by combining like terms.

1. $7 - 9r - 9r - 8r + 1$

2. $-3s - 8s - 8 + 7s - 5$

3. $1 + 7z - 5z - z - 7$

4. $8k + 2k - 1 + 7 - 9$

5. $9a - 4a + 4a + a + 3a$

6. $5q - 9 + 4q + 8 - 1$

7. $-5y + 8 + 3y - 9y - 7$

8. $3 - 8x + x - 4x - 4x$

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

10. $5r - 2r - 8 - r + 5r$

Simplifying Linear Expressions (E) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. \quad & 7 - 9r - 9r - 8r + 1 \\ & = -26r + 8 \end{aligned}$$

$$\begin{aligned} 2. \quad & -3s - 8s - 8 + 7s - 5 \\ & = -4s - 13 \end{aligned}$$

$$\begin{aligned} 3. \quad & 1 + 7z - 5z - z - 7 \\ & = z - 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & 8k + 2k - 1 + 7 - 9 \\ & = 10k - 3 \end{aligned}$$

$$\begin{aligned} 5. \quad & 9a - 4a + 4a + a + 3a \\ & = 13a \end{aligned}$$

$$\begin{aligned} 6. \quad & 5q - 9 + 4q + 8 - 1 \\ & = 9q - 2 \end{aligned}$$

$$\begin{aligned} 7. \quad & -5y + 8 + 3y - 9y - 7 \\ & = -11y + 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3 - 8x + x - 4x - 4x \\ & = -15x + 3 \end{aligned}$$

$$\begin{aligned} 9. \quad & -6g + 8 + 9 - 2 + 4g \\ & = -2g + 15 \end{aligned}$$

$$\begin{aligned} 10. \quad & 5r - 2r - 8 - r + 5r \\ & = 7r - 8 \end{aligned}$$

Simplifying Linear Expressions (F)

Simplify each expression by combining like terms.

1. $-5 - 4 - 8a + 7a - 3$

2. $-3x - x - x - x - 8x$

3. $-m - 6 + 6m - 1 - 8m$

4. $4 + 7h + 4h - 8h + h$

5. $-6 + 4b - 6 - 3b + 3b$

6. $-5h + 3h + 5h - 8 - 5$

7. $-2f + 9f - 9 + 3f - 7f$

8. $-4b - 1 - 5b + 3 + 6$

9. $-5w + 5w + w + 9w + 8$

10. $4v + 9v + 8v - 1 + 5$

Simplifying Linear Expressions (F) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & -5 - 4 - 8a + 7a - 3 \\ & = -a - 12 \end{aligned}$$

$$\begin{aligned} 2. & -3x - x - x - x - 8x \\ & = -14x \end{aligned}$$

$$\begin{aligned} 3. & -m - 6 + 6m - 1 - 8m \\ & = -3m - 7 \end{aligned}$$

$$\begin{aligned} 4. & 4 + 7h + 4h - 8h + h \\ & = 4h + 4 \end{aligned}$$

$$\begin{aligned} 5. & -6 + 4b - 6 - 3b + 3b \\ & = 4b - 12 \end{aligned}$$

$$\begin{aligned} 6. & -5h + 3h + 5h - 8 - 5 \\ & = 3h - 13 \end{aligned}$$

$$\begin{aligned} 7. & -2f + 9f - 9 + 3f - 7f \\ & = 3f - 9 \end{aligned}$$

$$\begin{aligned} 8. & -4b - 1 - 5b + 3 + 6 \\ & = -9b + 8 \end{aligned}$$

$$\begin{aligned} 9. & -5w + 5w + w + 9w + 8 \\ & = 10w + 8 \end{aligned}$$

$$\begin{aligned} 10. & 4v + 9v + 8v - 1 + 5 \\ & = 21v + 4 \end{aligned}$$

Simplifying Linear Expressions (G)

Simplify each expression by combining like terms.

1. $-7 + 2w + 6w + 8w - 7w$

2. $x - 5 + x - 8x + 7$

3. $-2 - 6j - 7j + 3 - 7j$

4. $z + 5 + 9z - 6z + 4z$

5. $-2f - 7f + 4 + 3 - 4$

6. $3y - 7 + 5 - 4y + 9y$

7. $-j - 3j - j - 8 + 4j$

8. $1 - 8y + y - 4 - 4$

9. $-8c - c - 4 + 2 - 1$

10. $3 - 1 + 6c - 4c - 9c$

Simplifying Linear Expressions (G) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & -7 + 2w + 6w + 8w - 7w \\ & = 9w - 7 \end{aligned}$$

$$\begin{aligned} 2. & x - 5 + x - 8x + 7 \\ & = -6x + 2 \end{aligned}$$

$$\begin{aligned} 3. & -2 - 6j - 7j + 3 - 7j \\ & = -20j + 1 \end{aligned}$$

$$\begin{aligned} 4. & z + 5 + 9z - 6z + 4z \\ & = 8z + 5 \end{aligned}$$

$$\begin{aligned} 5. & -2f - 7f + 4 + 3 - 4 \\ & = -9f + 3 \end{aligned}$$

$$\begin{aligned} 6. & 3y - 7 + 5 - 4y + 9y \\ & = 8y - 2 \end{aligned}$$

$$\begin{aligned} 7. & -j - 3j - j - 8 + 4j \\ & = -j - 8 \end{aligned}$$

$$\begin{aligned} 8. & 1 - 8y + y - 4 - 4 \\ & = -7y - 7 \end{aligned}$$

$$\begin{aligned} 9. & -8c - c - 4 + 2 - 1 \\ & = -9c - 3 \end{aligned}$$

$$\begin{aligned} 10. & 3 - 1 + 6c - 4c - 9c \\ & = -7c + 2 \end{aligned}$$

Simplifying Linear Expressions (H)

Simplify each expression by combining like terms.

1. $-4t - 1 + 7t - 4t - 3t$

2. $-5g - 2 + 5g + 6g - g$

3. $-2y - 7y + 8y + y - 7y$

4. $-3a + 8a - 1 + 3 - 5$

5. $-9p + 9 + 4p + 6 + p$

6. $5w - 8w - 5w + 3 - w$

7. $-g - 7g - 6g - 1 - 1$

8. $2h + 1 + 3h + h - 4h$

9. $6x + 3x - 7 + 9 - 2x$

10. $8 - 2g + 4g + 3g + 6$

Simplifying Linear Expressions (H) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & -4t - 1 + 7t - 4t - 3t \\ & = -4t - 1 \end{aligned}$$

$$\begin{aligned} 2. & -5g - 2 + 5g + 6g - g \\ & = 5g - 2 \end{aligned}$$

$$\begin{aligned} 3. & -2y - 7y + 8y + y - 7y \\ & = -7y \end{aligned}$$

$$\begin{aligned} 4. & -3a + 8a - 1 + 3 - 5 \\ & = 5a - 3 \end{aligned}$$

$$\begin{aligned} 5. & -9p + 9 + 4p + 6 + p \\ & = -4p + 15 \end{aligned}$$

$$\begin{aligned} 6. & 5w - 8w - 5w + 3 - w \\ & = -9w + 3 \end{aligned}$$

$$\begin{aligned} 7. & -g - 7g - 6g - 1 - 1 \\ & = -14g - 2 \end{aligned}$$

$$\begin{aligned} 8. & 2h + 1 + 3h + h - 4h \\ & = 2h + 1 \end{aligned}$$

$$\begin{aligned} 9. & 6x + 3x - 7 + 9 - 2x \\ & = 7x + 2 \end{aligned}$$

$$\begin{aligned} 10. & 8 - 2g + 4g + 3g + 6 \\ & = 5g + 14 \end{aligned}$$

Simplifying Linear Expressions (I)

Simplify each expression by combining like terms.

1. $4x - 9x + 6 - 3x + 2x$

2. $2 - 5r - 2 - 4r + 6r$

3. $-s + 5s - 4s + 2 + 5s$

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

5. $7q + 1 - 6q + 3 - 7$

6. $-z + 2z - 8 - 7 + 4z$

7. $9w + 2 - 8 - 9w + 3w$

8. $4z + 3z - 8 - 2z + 5z$

9. $-5f - 2f - 5f - 6 + 8f$

10. $6d - 5d + 6d + 7d - 6d$

Simplifying Linear Expressions (I) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & 4x - 9x + 6 - 3x + 2x \\ & = -6x + 6 \end{aligned}$$

$$\begin{aligned} 2. & 2 - 5r - 2 - 4r + 6r \\ & = -3r \end{aligned}$$

$$\begin{aligned} 3. & -s + 5s - 4s + 2 + 5s \\ & = 5s + 2 \end{aligned}$$

$$\begin{aligned} 4. & 8f + 8f + 7f - 4f - 9 \\ & = 19f - 9 \end{aligned}$$

$$\begin{aligned} 5. & 7q + 1 - 6q + 3 - 7 \\ & = q - 3 \end{aligned}$$

$$\begin{aligned} 6. & -z + 2z - 8 - 7 + 4z \\ & = 5z - 15 \end{aligned}$$

$$\begin{aligned} 7. & 9w + 2 - 8 - 9w + 3w \\ & = 3w - 6 \end{aligned}$$

$$\begin{aligned} 8. & 4z + 3z - 8 - 2z + 5z \\ & = 10z - 8 \end{aligned}$$

$$\begin{aligned} 9. & -5f - 2f - 5f - 6 + 8f \\ & = -4f - 6 \end{aligned}$$

$$\begin{aligned} 10. & 6d - 5d + 6d + 7d - 6d \\ & = 8d \end{aligned}$$

Simplifying Linear Expressions (J)

Simplify each expression by combining like terms.

1. $9 - 3 + 1 + 5k - 4k$

2. $-7s - 9s + 5 + 6s - 8s$

3. $5 - 8s - 5 - 9s - 7$

4. $-1 - 6 + 3 + 2j + 5j$

5. $-2 + 8v + 5 + 2v - 8v$

6. $5m + 2m + 9m - m + 2m$

7. $-7h - 7h + 6h + 5h - 8h$

8. $-8 + 2 - 6t + 5t - t$

9. $6x + 7x - 6 - 5 + 1$

10. $-8m + 8 + 8m - 3m + 9$

Simplifying Linear Expressions (J) Answers

Simplify each expression by combining like terms.

$$1. 9 - 3 + 1 + 5k - 4k \\ = k + 7$$

$$2. -7s - 9s + 5 + 6s - 8s \\ = -18s + 5$$

$$3. 5 - 8s - 5 - 9s - 7 \\ = -17s - 7$$

$$4. -1 - 6 + 3 + 2j + 5j \\ = 7j - 4$$

$$5. -2 + 8v + 5 + 2v - 8v \\ = 2v + 3$$

$$6. 5m + 2m + 9m - m + 2m \\ = 17m$$

$$7. -7h - 7h + 6h + 5h - 8h \\ = -11h$$

$$8. -8 + 2 - 6t + 5t - t \\ = -2t - 6$$

$$9. 6x + 7x - 6 - 5 + 1 \\ = 13x - 10$$

$$10. -8m + 8 + 8m - 3m + 9 \\ = -3m + 17$$