

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

Simplifying Linear Expressions (B) Answers

Simplify each expression by combining like terms.

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

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

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

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

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

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

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

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

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

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