Simplifying Linear Expressions

SAE:01

Simplify each algebraic expression.

1) $x - 3 + 4x - 8$

2) $2(3a + 4) + 5(2 - 5a)$

3) $6p + 7 - 11 - 9p + 1 - p$

4) $10 + m - 2m - 3 + 4m$

5) $3(k + 5) - 9k - 16$

6) $14 + 7(3 - b) + 8b$

7) $4(y - 6) - 2(3 + 2y) + 5(y - 1)$

8) $3u + 6 - 4 - u + 2 + 7u$

Simplifying Linear Expressions

Answer key

Simplify each algebraic expression.

1) $x - 3 + 4x - 8$

5x – 11

2) $2(3a + 4) + 5(2 - 5a)$

–19a + 18

3) $6p + 7 - 11 - 9p + 1 - p$

–4p – 3

4) $10 + m - 2m - 3 + 4m$

3m + 7

5) $3(k + 5) - 9k - 16$

–6k – 1

6) $14 + 7(3 - b) + 8b$

b + 35

7) $4(y - 6) - 2(3 + 2y) + 5(y - 1)$

5y – 35

8) $3u + 6 - 4 - u + 2 + 7u$

9u + 4