

Name : _____

Simplifying Linear Expressions

ES1

Simplify each expression.

1) $10x - 8x + 2 + 10$

2) $3a + 7 + 2(3 + a)$

3) $3(m - 5) + m$

4) $2s + 10 - 7s - 8 + 3s - 7$

5) $8c - 4 - 2c + 5$

6) $-4 + 7z + 3 - 2z$

7) $15 + 4(5y - 10)$

8) $2d + 17 - 3 - 2d + 4d$

9) $12n - 8 - 2n + 10 - 4$

10) $8(2k + 1 + 3k)$

11) $4(2b + 2) - 3$

12) $-4 + 8p - 6p - 5 + 20p$

Name : _____

Answer key

Simplifying Linear Expressions

ES1

Simplify each expression.

1) $10x - 8x + 2 + 10$

$2x + 12$

2) $3a + 7 + 2(3 + a)$

$5a + 13$

3) $3(m - 5) + m$

$4m - 15$

4) $2s + 10 - 7s - 8 + 3s - 7$

$-2s - 5$

5) $8c - 4 - 2c + 5$

$6c + 1$

6) $-4 + 7z + 3 - 2z$

$5z - 1$

7) $15 + 4(5y - 10)$

$20y - 25$

8) $2d + 17 - 3 - 2d + 4d$

$4d + 14$

9) $12n - 8 - 2n + 10 - 4$

$10n - 2$

10) $8(2k + 1 + 3k)$

$40k + 8$

11) $4(2b + 2) - 3$

$8b + 5$

12) $-4 + 8p - 6p - 5 + 20p$

$22p - 9$