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