

Simplify each of the following expressions:

1 $6t - 3t =$

2 $3y + 8 - 7y =$

3 $7r + 4 + 7 + 2r =$

4 $4 - 9 + 3p =$

5 $-9n + 6 + 9n =$

6 $3h - 5 - 7 =$

7 $-4 + 6r + 1 =$

8 $3x + 5y - 2x =$

9 $8 + w + w + 7 =$

10 $4x^2 + 9x^2 + 2 + 6 =$

11 $3y + 2(y - 6) =$

12 $3t - (2 - t) =$

13 $13r + 8r + 3y =$

14 $h - 3h + 4y + 3y =$

15 $4 \times 3xp =$

16 $y(4 - y) - y(3 - y) =$

17 $5u - 13u + 4g + 6 =$

18 $-5(y + 2) =$

19 $9x + 2y + 5x + 7y + 6 =$

20 $6h - 8h + 7t - 2t - 3h + 2ht =$

Answer Key:

- 1 $3t$
- 2 $-4y + 8 = 2(-2y + 4)$
- 3 $9r + 11$
- 4 $-5 + 3p$
- 5 6
- 6 $3h - 12 = 3(h - 4)$
- 7 $6r - 3 = 3(2r - 1)$
- 8 $5y + x$
- 9 $2w + 15$
- 10 $13x^2 + 8$
- 11 $= 3y + 2y - 12 = 5y - 12$
- 12 $= 3t - 2 + t = 4t - 2 = 2(2t - 1)$
- 13 $21r + 3y = 3(7r + y)$
- 14 $-2h + 7y$
- 15 $12p$
- 16 $= 4y - y^2 - 3y + y^2 = y$
- 17 $-8u + 4g + 6 = 2(-4u + 2g + 3)$
- 18 $-5y - 10 = -5(y + 2)$
- 19 $14x + 9y + 6$
- 20 $-5h + 5t + 2ht$