

Name :

Factoring Perfect Square Trinomials

1

$$16x^2 - 40x + 25$$

2

$$49q^2 - 28q + 4$$

3

$$125x^2 - 200x + 80$$

4

$$27x^2 + 18x + 3$$

5

$$16x^2 + 24x + 9$$

6

$$x^2 + 22x + 121$$

7

$$80x^2 + 200x + 125$$

8

$$16s^2 - 24s + 9$$

9

$$4x^2 + 12x + 9$$

10

$$4x^2 - 4x + 1$$

Name :

Factoring Perfect Square Trinomials

Answers

1

$$16x^2 - 40x + 25$$

$$\underline{(4x - 5)^2}$$

2

$$49q^2 - 28q + 4$$

$$\underline{(7q - 2)^2}$$

3

$$125x^2 - 200x + 80$$

$$\underline{5(5x - 4)^2}$$

4

$$27x^2 + 18x + 3$$

$$\underline{3(3x + 1)^2}$$

5

$$16x^2 + 24x + 9$$

$$\underline{(4x + 3)^2}$$

6

$$x^2 + 22x + 121$$

$$\underline{(x + 11)^2}$$

7

$$80x^2 + 200x + 125$$

$$\underline{5(4x + 5)^2}$$

8

$$16s^2 - 24s + 9$$

$$\underline{(4s - 3)^2}$$

9

$$4x^2 + 12x + 9$$

$$\underline{(2x + 3)^2}$$

10

$$4x^2 - 4x + 1$$

$$\underline{(2x - 1)^2}$$