이차식을 완전제곱식으로 변환하는 연습문제
(Practice problems converting quadratic expressions to perfect squares)

Practice problems converting quadratic expressions to perfect squares

Start End

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

1 Step

Step Down

Next Exercise

$$x^2 + x - 1$$

Solution

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

1 Step

$$x^2 + x - 1$$

Solution

$$\left(x + \frac{1}{2}\right)^2 - \frac{5}{4}$$

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

2 Step

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

Solution

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

2 Step

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

Solution

$$-\left(x + \frac{1}{2}\right)^2 + \frac{5}{4}$$

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

3 Step

Step Down

Next Exercise

$$-x^2 + 2x$$

Solution

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

3 Step

Step Down

Next Exercise

$$-x^2 + 2x$$

Solution

$$-(x-1)^2 + 1$$

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

4 Step

$$3x^2 - 4x + 3$$

Solution

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

4 Step

$$3x^2 - 4x + 3$$

Solution

$$3\left(x - \frac{2}{3}\right)^2 + \frac{5}{3}$$

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

5 Step

$$-5x^2 - 4x + 3$$

Solution

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

5 Step

$$-5x^2 - 4x + 3$$

Solution

$$-5\left(x + \frac{2}{5}\right)^2 + \frac{19}{5}$$

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

6 Step

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

Solution

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

6 Step

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

Solution

$$(x-2)^2 - 3$$

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

7 Step

$$-x^2 - 5x + 4$$

Solution

Start End

Practice problems converting quadratic expressions to perfect squares

Step Up

Step Down

Next Exercise

7 Step

$$-x^2 - 5x + 4$$

Solution

$$-\left(x + \frac{5}{2}\right)^2 + \frac{41}{4}$$

Github:
https://min7014.github.io/math20240325001.html

Click or paste URL into the URL search bar, and you can see a picture moving.