Quadratic Equations

Solve the following equations using the quadratic formula where necessary:

$$x = \frac{-b \pm \sqrt{(b^2 - 4ac)}}{2a}$$

1) $x^2 + 7x + 10 = 0$

2) $x^2 - 5x + 6 = 0$

3) $x^2 - 4 = 0$

4) $x^2 - 3x = 0$

5) $x^2 + 4x + 10 = 0$

6) $x^2 + 4x - 5 = 0$

7) $x^2 = 8x - 7$

8) $x^2 - 2 = x$

Quadratic Equations

Answers

Solve the following equations using the quadratic formula where necessary:

$$x = \frac{-b \pm \sqrt{(b^2 - 4ac)}}{2a}$$

1) $x^2 + 7x + 10 = 0$

x = 5 or 2

2) $x^2 - 5x + 6 = 0$

x = 3 or 2

3) $x^2 - 4 = 0$

$x = \pm 2$

4) $x^2 - 3x = 0$

x = 0 or 3

5) $x^2 + 4x + 10 = 0$

x = -1 or - 3

6) $x^2 + 4x - 5 = 0$

x = - 5 or 1

7) $x^2 = 8x - 7$

x = 1 or 7

8) $x^2 - 2 = x$

x = 2 or -1