

EQUATIONS: Quadratic: Formula

 **2023** Watch video and complete examples

Lesson Notes and Examples:

Example 1

$$x^2 - 6x - 7 = 0$$

Example 2

$$5x^2 - x - 8 = 0$$

Solve:

1) $x^2 - 4x - 10 = 0$

4) $x^2 - 6x + 17 = 0$

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

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

3) $3x(x + 1) = x + 4$

6) $2 - (3 + x)(5 - 2x) = 0$

 Mark work and do corrections. [1-3]

 Mark work and do corrections. [4-6]

7) $2x^2 - 3x - 8 = 0$

8) $3x - 2 - 4x^2 = 0$


9) $4\left(x + \frac{1}{x}\right) + 9 = 0$

 Mark work and do corrections. [7-9]

10) $3x^2 - x - 2 = 0$

11) $7x = 3(x^2 + 1)$

12) $x^2 + 8x + 5a = 0$

 Mark work and do corrections. [10-12]