Examples Zero Product Property

Solve the following

1. $x^2 - 3x - 40 = 0$

2. $x^2 - 9x = 10$

$x^2 = n,\ x = \pm n$

1. $x^2 = 4$

2. $x^2 - 3 = 5$

3. $(x + 4)^2 - 5 = 11$

Completing the Square

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

2. $x^2 - 4x = 21$

3. $x^2 + 8x - 4 = 0$

Quadratic Formula

1. $3x^2 + x = 1$

2. $x^2 - 10x + 1 = 0$

3. $2x + 7 = x^2$