

WORKSHEET 1

Solve the following equations. Drop the answers from the box below for each question.

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

4) $x^2 - 16 = 0$

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

5) $4x^2 - 1 = 0$

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

6) $2x^2 = 3x$

The answers.

$x(3x - 1) = 0$

$x(x - 3) = 0$

$x(x + 7) = 0$

$(2x + 1)(2x - 1) = 0$

$(x + 4)(x - 4) = 0$

$x(2x - 3) = 0$

$x = 0 \text{ or } x = 3$

$x = 0 \text{ or } x = \frac{1}{3}$

$x = 0 \text{ or } x = \frac{3}{2}$

$x = 0 \text{ or } x = -7$

$x = -\frac{1}{2} \text{ or } x = \frac{1}{2}$

$x = 4 \text{ or } x = -4$

WORKSHEET 1

Solve the following equations. Drop the answers from the box below for each question.

1) $x^2 - 8x + 12 = 0$

4) $3x^2 + 10x - 8 = 0$

2) $x^2 + 5x - 14 = 0$

5) $6x^2 - 13x + 6 = 0$

3) $x^2 + 2x - 15 = 0$

6) $4x^2 - 3x = 10$

The answers.

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

$(3x - 2)(2x - 3) = 0$

$(x - 2)(x + 7) = 0$

$(4x + 5)(x - 2) = 0$

$(x - 2)(x - 6) = 0$

$(3x - 2)(x + 4) = 0$

$x = -\frac{5}{4} \text{ or } x = 2$

$x = 3 \text{ or } x = -5$

$x = \frac{2}{3} \text{ or } x = \frac{3}{2}$

$x = 2 \text{ or } x = 6$

$x = \frac{2}{3} \text{ or } x = -4$

$x = 2 \text{ or } x = -7$