

Quadratic Equation - Standard Form

Express the given equation in standard form ($ax^2 + bx + c = 0$). Identify the values of a, b and c.

1) $(2x - 1)(x + 3) = 0$

a = _____, b = _____, c = _____

2) $8x - 3x^2 = -15 - 4x^2$

a = _____, b = _____, c = _____

3) $-\frac{5}{3}x^2 + 3x + 11 = -9 + \frac{25}{3}x^2$

a = _____, b = _____, c = _____

4) $\frac{x+4}{7} = x^2 + 1$

a = _____, b = _____, c = _____

5) $4x^2 - 3.1 = 1.9 - 12x$

a = _____, b = _____, c = _____

6) $\frac{1}{4} - 6x^2 = \frac{9}{4}$

a = _____, b = _____, c = _____

7) $\frac{x}{\sqrt{3}} = \frac{\sqrt{3}(x-2)}{8x}$

a = _____, b = _____, c = _____

8) $-4.8x + 2(-2.5x^2) + 16 = 2.2x$

a = _____, b = _____, c = _____