
This worksheet is designed to give you extra practice on the quadratic formula and using it to solve equations.

1 Using the quadratic formula, solve the following equations

(a) $x^2 + 3x + 2 = 0$

(b) $x^2 - 3x + 2 = 0$

(c) $x^2 - 16x - 80 = 0$

(d) $x^2 - 9 = 0$

(e) $2x^2 + 6x - 7 = 0$

(f) $5x^2 - x = 8$

(g) $x(x + 2) = 4$

(h) $-x^2 + 5x + 10 = 0$

(i) $4x^2 + 1 = 2(3 - x)$

(j) $4x^2 - 1 = 0$

(k) $(x + 1)(x - 2) = 4$

(l) $7x^2 - 8x - 10 = 0$

In each case, give your answers to two decimal places where appropriate.

END OF WORKSHEET

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