

Null Factor Law

Year Ten Advanced Homework Sheet # 3, Term 3

Name: _____ Due Date: _____

1. Explain how to recognise a quadratic equation.

2. Solve for x using the null factor law

a) $x(x+5) = 0$

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

c) $(x+1)(x-5) = 0$

d) $(2x+1)(x+5) = 0$

e) $x^2 = 81$

f) $(x-7)^2 = 0$

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

h) $x^2 - x - 42 = 0$

3. Solve by completing the square:

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

b) $x^2 - 6x + 7 = 0$

c) $x^2 + 5x - 3 = 0$