



3°in TEST
Algebra and Equations

Ecole Internationale
Manosque
3°in

NAME :

Duration : 15'

Exercise 1: Expand and simplify

$$\frac{1}{2}(-8x + 4) =$$

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

$$\left(\frac{-x + 2}{4}\right)(3x + 4) =$$

Exercise 2: Factorise and simplify

$$-8x^2 + 2x =$$

$$25x + 10x^3 =$$

$$\frac{3}{5} - \frac{6x}{5} =$$

Exercise 3: Solve the following equations

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

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

$$(2x - 1)(3x + 4) = 0$$

$$25x + 10x^3 = 0$$

$$-8x^2 = 2x$$