

Name: _____

YEAR 11 MINI-ASSESSMENT 15
FOUNDATION – EXPRESSIONS AND EQUATIONS

1. (a) Simplify $3a + 2b + 6a - 3b$

(2)

(b) Factorise $18x - 24x^2$

(2)

(c) Expand and fully simplify $2(2x + 5) + 3(x - 6)$

(2)

[6 marks]

2. (a) Solve the equation $4x + 7 = 39$

(2)

(b) Solve the equation $8x - 3 = 11x - 16$

(3)

[5 marks]

3. (a) Expand and fully simplify $(3x - 4)^2$

(2)

(b) Factorise $x^2 - 12x + 32$

(2)

(c) Hence solve the equation $x^2 - 12x + 32 = 0$

(1)

[5 marks]