

1. (a) $5x(x - 3) = 0$ *I*
roots 0, 3 *I*
- (b) $(2x - 3)(3x + 1)$ *I each bracket*
Roots $3/2, -1/3$ *I*

[5 marks]

2. substituting into quadratic formula *I*
discriminant = 69 *I*
first solution 1.88 *I*
second solution -0.88 *I*

[4 marks]

3. $4x^2 - 8x - 7$ *I*
substituting into quadratic formula *I*
discriminant = 176 *I*
first solution 2.7 *I*
second solution -0.7 *I*

[5 marks]