Level 4 Multiplying out and Simplifying   Homework

Q1. Multiply out the brackets and simplify the following expressions

(a) $(r - 3)(r + 10)$ (b) $(3w - 2)^2$ (c) $(7a - 2)(a + 5)$

(d) $(x + 1)(4x^2 + 6x - 1)$ (e) $(2a - 3)(3a^2 - 7a + 4)$

Q2. Write an expression for each area in its simplest form

(i)

$3x + 1$

$3x + 1$

(ii)

$2x - 3$

$7x - 1$