Q1. Multiply out the brackets and simplify the following expressions
(a) $(r-3)(r+10)$
(b) $(3 w-2)^{2}$
(c) $(7 a-2)(a+5)$
(d) $(x+1)\left(4 x^{2}+6 x-1\right)$
(e) $(2 a-3)\left(3 a^{2}-7 a+4\right)$

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

(ii)


