Multiplying Polynomials

Simplify:

1. (x + 3)(x - 7)2. (2x - 4)(x + 6)3. (-3x - 5)(2x - 9)4. $(x + 5)(x^2 + 4x + 8)$ 5. $(x + 2)(3x^2 + 3x - 7)$ 6. $(x - 1)(2x^2 - 6x - 4)$ 7. (4x - 2)(x + 6)(3x + 3)8. (2x + 1)(3x + 2)(x + 5)

<u>Situation 1</u>: There is a square garden and the garden is going to be expanded in two directions.

The length and width of the garden are going to be expanded by 3 feet. What is the area of the resulting garden?

Area = _____



