Multiply.

1.
$$(x-3)(x-7)$$

1.
$$(x-3)(x-7)$$
 2. $(5x-3)(2x+1)$ 3. $(x+6)(x-6)$

3.
$$(x+6)(x-6)$$

4.
$$(11x + 9)(12x + 6)$$

5.
$$(3x - 5)^2$$

6.
$$(x+3)(x^2-4x+5)$$

7.
$$(x + 5)^2$$

8.
$$(6-x)(6+x)$$

9.
$$(3x + 9)^2$$

10.
$$(x + 4)(x^2 - 2x - 4)$$
 11. $(2x - 1)(x + 1)$

11.
$$(2x-1)(x+1)$$

12.
$$(3x + 2)(3x - 2)$$

Solve.

13. Find the area of Ronny's Rectangular kitchen if the width is (x + 7) feet and the length is $(x^2 + 5x - 9)$ feet.

14. The length of a square rug is (4x - 3) feet. Find the area of the rug.

15. The length of a rectangular room is 4 more than three times the width. Find the perimeter and area of the room.

16. The length of a rectangular field is 8 less than twice the width. Find the perimeter and area of the field.