Polynomials - Day 7
Assignment

Name $\qquad$
Date $\qquad$ Period $\qquad$

Multiply.

1. $(x-3)(x-7)$
2. $(5 x-3)(2 x+1)$
3. $(x+6)(x-6)$
4. $(11 x+9)(12 x+6)$
5. $(3 x-5)^{2}$
6. $(x+3)\left(x^{2}-4 x+5\right)$
7. $(x+5)^{2}$
8. $(6-x)(6+x)$
9. $(3 x+9)^{2}$
10. $(x+4)\left(x^{2}-2 x-4\right)$
11. $(2 x-1)(x+1)$
12. $(3 x+2)(3 x-2)$
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Solve.
13. Find the area of Ronny's Rectangular kitchen if the width is $(x+7)$ feet and the length is $\left(x^{2}+5 x-9\right)$ feet.
14. The length of a square rug is $(4 x-3)$ 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.

