

**Section 5.3**  
**Exercises**  
**Odd Answers**

1.  $x^2 + 2x - 3$
3.  $x^2 - 11x + 28$
5.  $x^2 - 36$
7.  $x^2 + 8x + 16$
9.  $4x^2 - 17x - 15$
11.  $10x^2 - 14x - 48$
13.  $15x^4 - 37x^2 + 18$
15.  $(x + 5)(y + 2)$
17.  $(x - 7)(y + 1)$
19.  $(x - 5)(x + 5)(x + 2)$
21.  $(3x + 2)(3x - 2)(x + 2)$
23.  $(x - 3)(x + 2)$
25.  $(x + 5)(x + 4)$
27.  $(x - 16)(x + 3)$
29. prime
31.  $(x + 9)(x - 8)$
33.  $(x + 7)(x - 4)$
35.  $(x - 5)^2$
37.  $(x + 13)^2$
39.  $(x + 9)(x - 9)$
41.  $(x + 5)(x - 5)$
43.  $(4x + 9)(4x - 9)$
45. prime
47.  $(2x + 1)(x - 3)$
49.  $(7x + 1)(x + 6)$
51.  $(5x + 2)(3x + 4)$
53.  $(4x - 5)(x - 3)$
55.  $(3x + 5)(2x + 7)$
57.  $x(x + 7)$
59.  $2x(x - 9)$
61.  $2(x + 3)(x + 4)$
63.  $x^2(x - 4)(x + 4)$
65.  $x(x^2 + 12x + 21)$
67.  $3(x + 7)(x - 3)$