SM2 answers 2.3 Odd

1. x-intercept: $(2, 0)$
   y-intercept: $(0, -6)$
3. x-intercept: $(-\frac{9}{2}, 0)$
   -intercept: $(0, -9)$
5. x-intercept: $(-2, 0)$
   y-intercept: $(0, \frac{6}{7})$
7. $(-10, 0), (-3, 0), (4, 0)$
9. $(-10, -3) \cup (4, 6]$
11. $(-11, -10) \cup (-3, 4)$
13.
   a. x-intercept at $(-6, 0), (-1, 0), (1, 0), (5, 0)$
   b.
   c. $[-7, -6) \cup (-1, 1) \cup (5, \infty)$
   d.
   e. $[-6, -1) \cup (1, 5)$
15. x-intercept: none
   y-intercept at $(0, -3)$
   positive: none
   negative: $[-4, \infty)$
17. x-intercept at $(0, 0)$
   y-intercept at $(0, 0)$
   positive: $(-\infty, 0)$
   negative: $(0, \infty)$
19. D: $(-\infty, \infty)$ R: $[-8, \infty)$
   x-int: $(-2, 0)$ and $(6, 0)$
   y-int: $(0, -6)$
   pos: $(-\infty, -2) \cup (6, \infty)$
   neg: $(-2, 6)$
   rel. max: none value: none
   rel. min: $(2, -8)$ value: $y = -8$
   increase: $(2, \infty)$
   decrease: $(-\infty, 2)$
   constant: none