

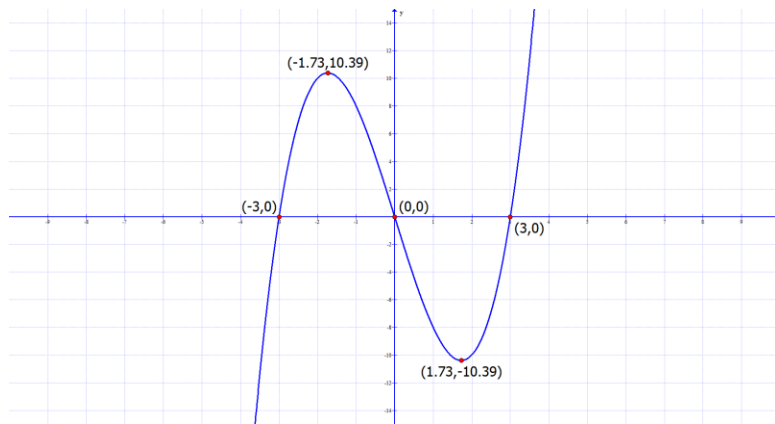
Chapter 5 Canvas Practice Test Answers

1a) $(-3,0)$ multiplicity 1 – odd $(0,0)$ multiplicity 1 – odd $(3,0)$ multiplicity 1 – odd

1b) graph crosses x-axis at each x-intercept

1c) maximum 2 turning points

1d)



1e) resembles $f(x) = x^3$

1f) $(-\infty, -1.73) \cup (1.73, \infty)$

1g) $(-1.73, 1.73)$

2a) $x = 1$

2b) $f(x) = (x - 2)(4x + 1)(3x - 2)$

2c) $x = 2, \frac{-1}{4}, \frac{2}{3}$

3) $f(x) = x^2 + 81$

4a) $(-\infty, 4) \cup (4, \infty)$

4b) $x = 4$

4c) $y = 1$

4d) $(-8, 0)$

4e) $(0, -2)$

5a) $(-\infty, 1) \cup (1, \infty)$

5b) $x = 1$

5c) $y = x + 6$

5d) $(-7, 0) (2, 0)$

5e) $(0, 14)$

6) $f(x) = 3(x - 3)(x + 4)^2$