7.6 Real Zeros Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List all possible rational zeros given by the Rational Zeros Theorem (but don’t check to see which actually are zeros)

**1.**  **2.** 

**3.**  **4.** 

Use Descartes’ Rule of Signs to determine how many positive and how many negative real zeros the polynomial can have.

**5**.  **6**. 

**7**.  **8.** 

Show that the given values of *a* and *b* are lower and upper bounds for the real zeros of the given polynomial

**9**. ; 

**10**. ; 

Find all rational zeros of the polynomial

**11.** 

**12.** 

Find all real zeros of the polynomial. Use the quadratic formula if necessary

**13.** 

**14.** 