Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 3B Test Review**

1) Given the factor (x – 6), what are the other **linear factors** for the polynomial?

2) What is the **y-intercept** of the function ?

3) Given the polynomial , what are its **factors**?

**Write the equations** of the polynomials given the following zeros:

4)  5) 

6) True or false: Every odd-degree polynomial has at least two imaginary roots. (Explain why)

Find all the solutions and write them as **x-intercepts.** Also find the **y-intercept.**

7) 

**x–intercepts & y-intercept**

8) Find all the zeros:



**Zeros**

9) Find all the **linear factors**



**Factors**

10) Find all the **zeros** 

**Zeros**

11) Find all the **roots**



**Roots**

12) Find all of the **solutions**

**Solutions**