Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_ Score \_\_\_\_\_\_\_\_

Are you ready for your Six Weeks Test??

Quiz #4 Take Home Quiz (This will be used during the next class so make sure you have it completed!!)

|  |  |  |  |
| --- | --- | --- | --- |
| 1) Find the degree of each.  a) b) | | | 2) Find the product. |
| 3) Perform the given operation  a) b) | | | |
| 4) Find the product of . | | 5) Find the quotient. | |
| 6) How can you determine if a binomial is a factor of a polynomial using division? | 7) Factor. | | 8) Solve by factoring. |
| 9) Find the degree and end behavior for the polynomial and sketch a graph. | 10) What are all the POSSIBLE roots of ? | | 11) What is the smallest possible degree for a polynomial with the given roots: ? |
| 12) Find the EXACT roots for the following polynomial: | | | |
| 13) Find the EXACT roots for the following polynomial: | | | |

Just a reminder…

We will be using this next class for review so use your time WISELY and get it done. Oh, and it counts as a quiz grade. ☺