Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Group 1 Examples

\_\_\_\_\_1. Which polynomial function has the following end behavior:



\_\_\_\_\_2. What is a simpler form of State the degree of the polynomial.

1. 5
2. 6
3. 3
4. 4

\_\_\_\_\_3. How many roots does this polynomial have?

1. 2
2. 3
3. 4
4. 5

\_\_\_\_\_4. How many turning points does this polynomial have?

1. 2
2. 3
3. 4
4. 5

\_\_\_\_\_5. Given What happens as ?

\_\_\_\_\_6. If , find using synthetic division.



\_\_\_\_\_7. Is (x-2) a factor of ?

\_\_\_\_\_8. Is 2 a zero of ?