**4-6 Power Functions Guided Notes**

For each of the functions graph, then state the domain, range, intervals of increasing, decreasing and the end behavior.

1. y = x3 + 2 2. y = x4

Domain: \_\_\_\_\_\_\_\_\_ Domain: \_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_

Increase: \_\_\_\_\_\_\_\_\_ Increase: Decrease:\_\_\_\_\_\_\_\_\_ Decrease: \_\_\_\_\_\_\_\_\_

End Behavior: \_\_\_\_\_\_\_\_ End Behavior: \_\_\_\_\_

3. y = x5 4. y = x6

Domain: \_\_\_\_\_\_\_\_ Domain: \_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_

Increase: \_\_\_\_\_\_\_\_\_\_ Increase: Decrease: \_\_\_\_\_\_\_\_\_\_ Decrease: \_\_\_\_\_\_\_\_\_

End Behavior: \_\_\_\_\_\_\_\_ End Behavior: \_\_\_\_