Identify the following as Increasing Linear, Decreasing Linear, Positive Quadratic, Negative Quadratic, Exponential Growth, or Exponential Decay.



	Y=4 + 3x	Y= 4(3)×	$Y = 3x^2 - 4$
7. Type of function			
8. Growth or decay			
9. Find the Average Rate of Change from [2, 4]	xy	<u>x y</u>	xy
10. Find the y-int.			
11. Find the x-int.			

Unit 5 – Domain and Range Comparison Linear, Quadratic, or Exponential Functions

12. Determine the Domain and Range of each of the following graphed functions (using Interval and Set Notations).





- 14. If we only considered the functions LINEAR, QUADRATIC, and EXPONENTIAL, which is the only one that could have a **range of** $[-\infty, \infty)$?
- 15. If we only considered the functions LINEAR, QUADRATIC, and EXPONENTIAL, which is the only one that could have a **range of (2, \infty)**?
- 16. If we only considered the functions LINEAR, QUADRATIC, and EXPONENTIAL, which is the only one that could have a **range of [– 5, ∞)**?