



Topic/Objective: 1.1 AGS 2

Name:

Introduce Quadratics, review distributive property, and review linear and exponential functions.

Period:

Date:

Essential Question: What are the features of a quadratic function?

Questions:

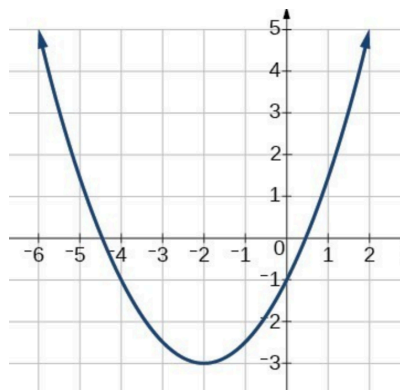
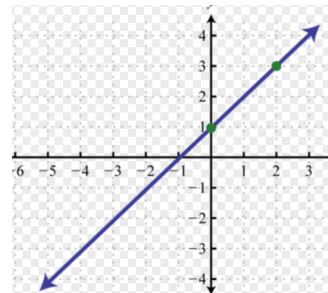
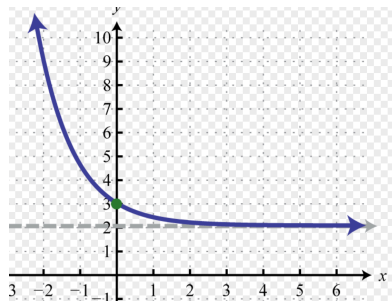
Which table represents linear, exponential, or neither?

x	1	2	3	4	5
f(x)	2	5	8	11	14

x	1	2	3	4	5
f(x)	2	3	5	8	12

x	1	2	3	4	5
f(x)	2	6	18	54	162

Name which type of function each graph represents.



Simplify:

1. $5(2x + 9)$

2. $-3(6x - 1)$

3. $x(3x + 8)$

4. $2y(3y - 7)$

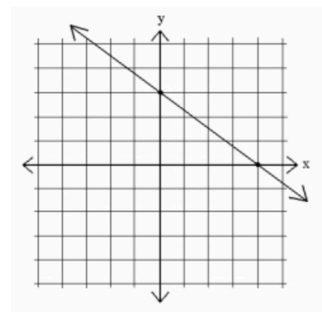
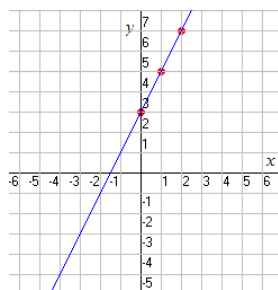
5. $4a(2a - 3b)$

6. $\frac{1}{2}(4x - 10)$

7. $\frac{2x}{3}(9x + 24)$

8. $\frac{-x}{4}(16x - 8)$

Find the rate of change (slope):



Summary: What are the features of a quadratic function?