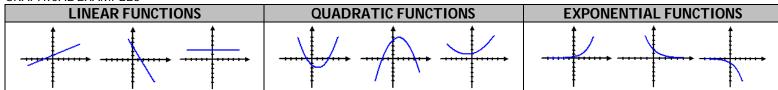
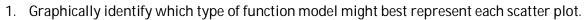
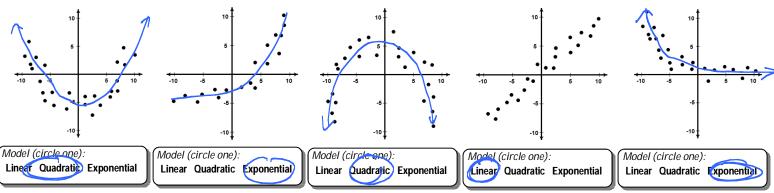
Name

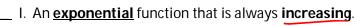
GRAPHICAL EXAMPLES



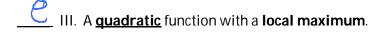




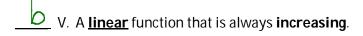
2. Match each graph with its description.

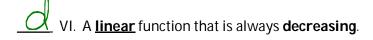


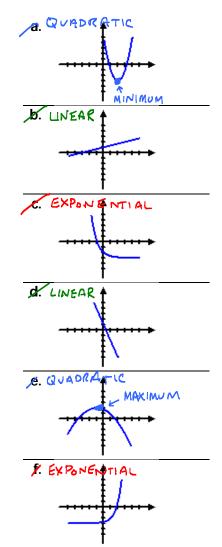






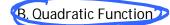






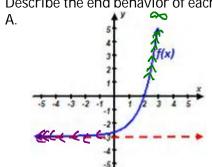
- 3. Which is the only type of function below that has an asymptote when graphed?
 - A. Linear Function

- B. Quadratic Function
- C. Exponential Function
- 4. Which is the only type of function below that could have a local maximum?
 - A. Linear Function

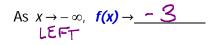


C. Exponential Function

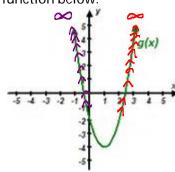
5. Describe the end behavior of each of the function below.



Name: EXPONENTIAL



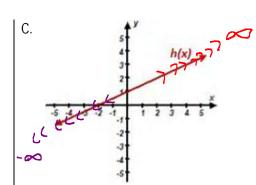
As
$$x \to \infty$$
, $f(x) \to \frac{\infty}{UP}$



Name: QUADRATIC

As
$$x \to -\infty$$
, $g(x) \to \frac{\infty}{UP}$

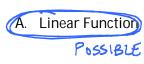
As
$$x \to \infty$$
, $g(x) \to \frac{}{VP}$



Name: LINEAR

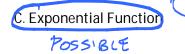
As
$$x \to -\infty$$
, $h(x) \to -\infty$
LEFT DOWN

- P(x) ->4 6. Which is the function that might have end behavior such that as \mathbf{x} approaches infinity, $\mathbf{f}(\mathbf{x})$ approaches 4?





B. Quadratic Function



- 7. Which is the only function below that might have end behavior such that:
 - As $x \to -\infty$, $f(x) \to \infty$

A. Linear Function

As $x \to \infty$, $f(x) \to \infty$ RIGHT

B. Quadratic Function

- C. Exponential Function
- 8. Which is the only function below that might have end behavior such that:
 - Linear Function

B. Quadratic Function



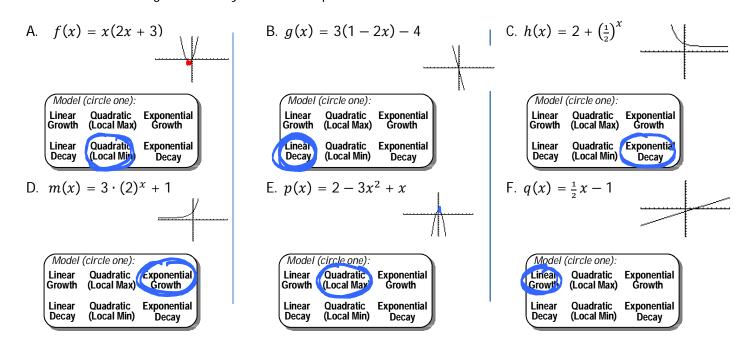
B. Quadratic Function

- C. Exponential Function
- 9. Which is the only function below that might have end behavior such that:
 - As $X \to -\infty$, $f(X) \to -\infty$
 - A. Linear Function

As $x \to \infty$, $f(x) \to -\infty$ RIGHT DOWN

C. Exponential Function

10. Based on the function given identify which description best fits the function.



11. Based on the partial set of values given for a function, identify which description best fits the function.

