

Name:

Ready, Set, Go!



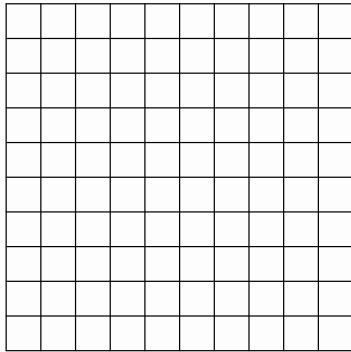
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Ready

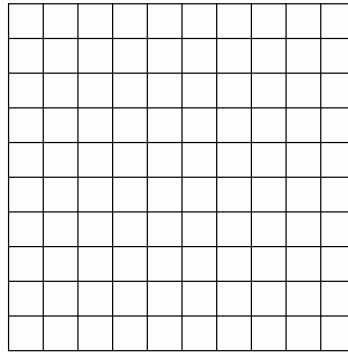
Topic: Creating graphical representations and naming the domain.

Sketch a graph to represent each function, then state the domain of the function.

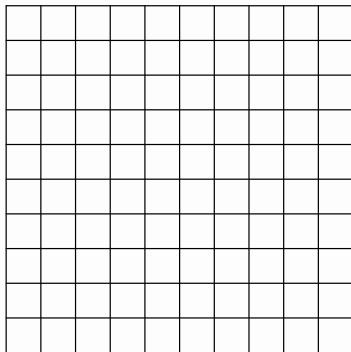
1.  $y = 3x - 5$



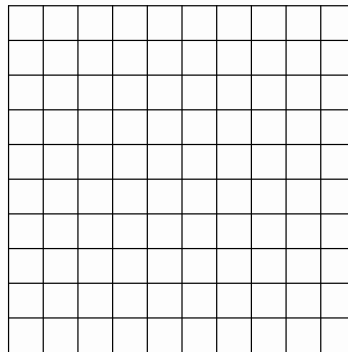
2.  $f(x) = 3(4)^x$



3. A sequence of terms such that  
 $f(0) = 1, f(n) = f(n - 1) - 7$



4. A sequence of terms such that  
 $f(1) = 8, f(n) = \frac{1}{2}f(n - 1)$



**Set**

Topic: Attributes of linear and exponential functions.

**Determine if the statement is true or false, then justify why.**

5. All linear functions are increasing.
6. Arithmetic sequences are an example of linear functions.
7. Exponential functions have a domain that includes all real numbers.
8. Geometric sequences have a domain that includes all integers.
9. The range for an exponential function includes all real numbers.
10. All linear relationships are functions with a domain and range containing all real numbers.

**Go**

Topic: Determine the domain of a function from the graphical representation.

**For each graph determine the domain of the function.**

