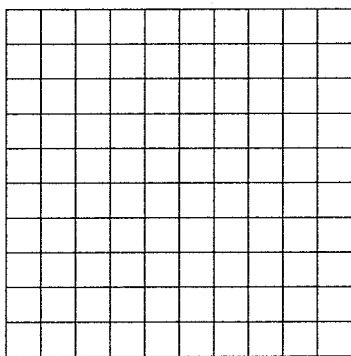## Ready, Set, Go!

Ready

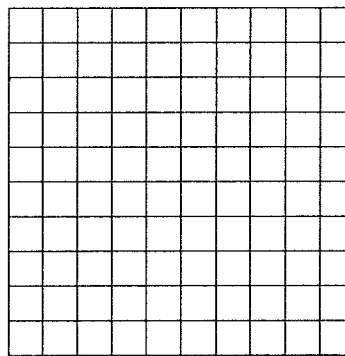Topic: Creating graphical representations and naming the domain.

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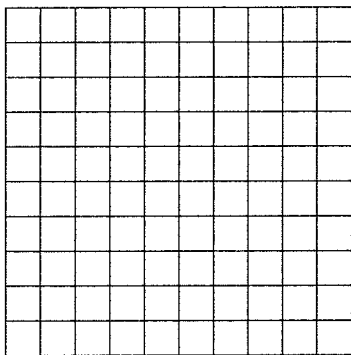**Sketch a graph to represent each function, then state the domain of the function.**
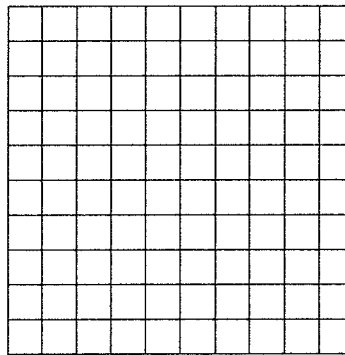
1. $y = 3x - 5$

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

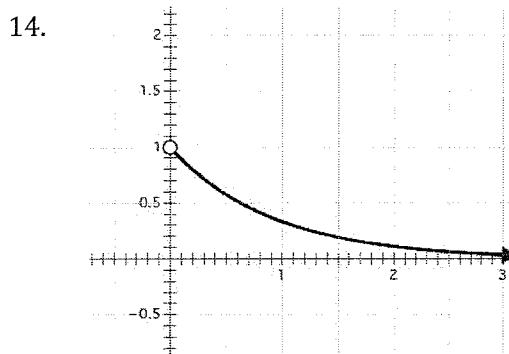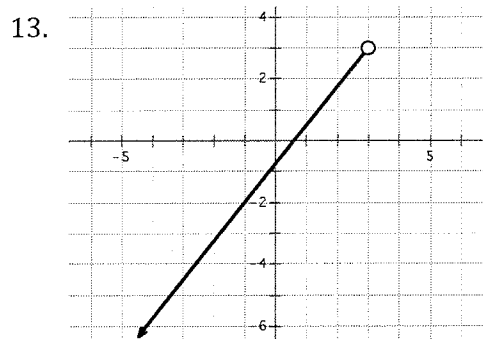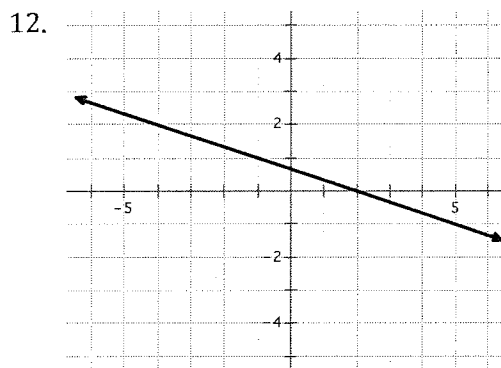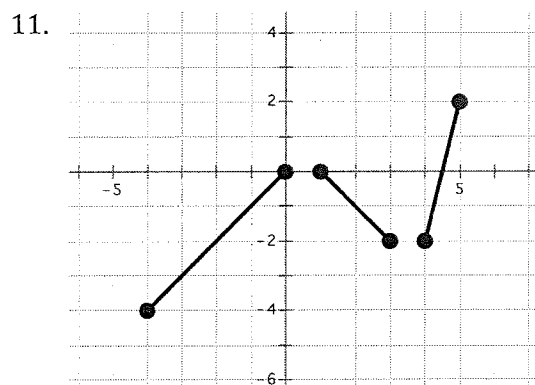Topic: Attributes of linear and exponential functions.

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.

11.

12.

13.

14.