Ready, Set, Go!
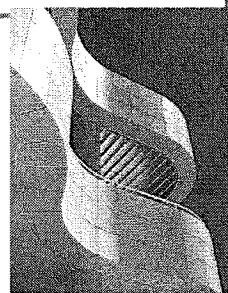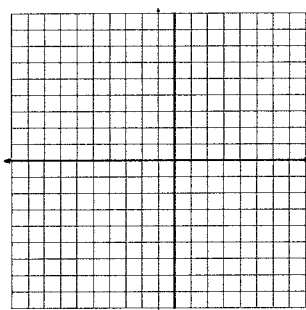
Ready

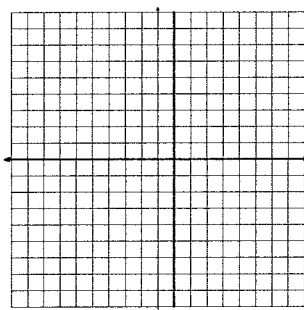Topic: Solve systems of equations

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Solve each system of equations either by graphing, substitution, elimination, or matrix row reduction. *Use each method at least once.*
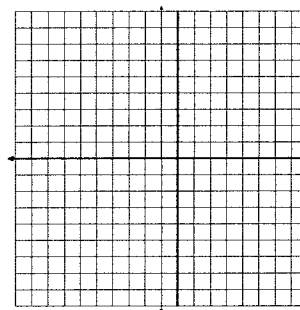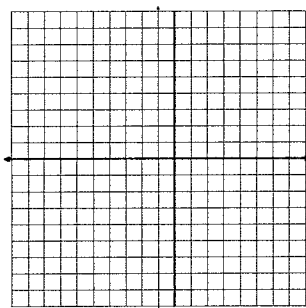
1. $\begin{cases} 3x + 4 \\ 4x + 1 \end{cases}$
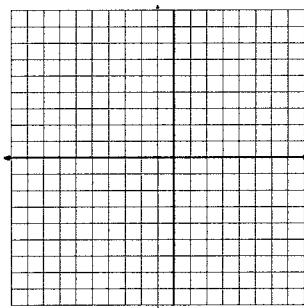
2. $\begin{cases} -5x + 12 \\ -2x - 3 \end{cases}$
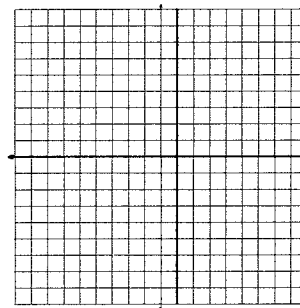
3. $\begin{cases} \frac{1}{2}x + 2 \\ 2x - 7 \end{cases}$

4. $\begin{cases} -\frac{2}{3}x + 5 \\ -x + 7 \end{cases}$

5. $\begin{cases} x + 5 \\ -x - 3 \end{cases}$

6. $\begin{cases} x - 6 \\ -x - 6 \end{cases}$
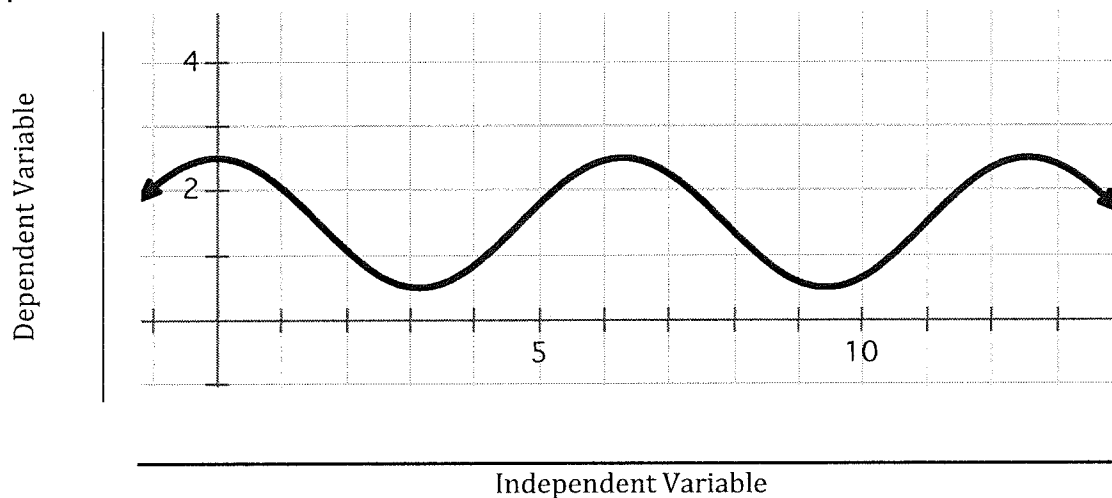
Set

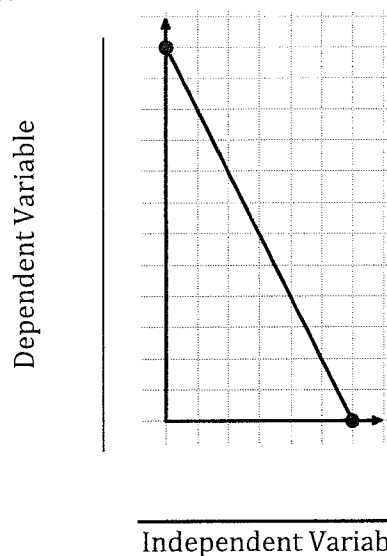Topic: Connecting context to graphical representations

For each graph create a context, provide independent and dependent variables that will fit the context you choose. Then create a story that describes what is happening on the graph.

7.

Independent Variable

Description of context and a story for the graph:

8.

Independent Variable

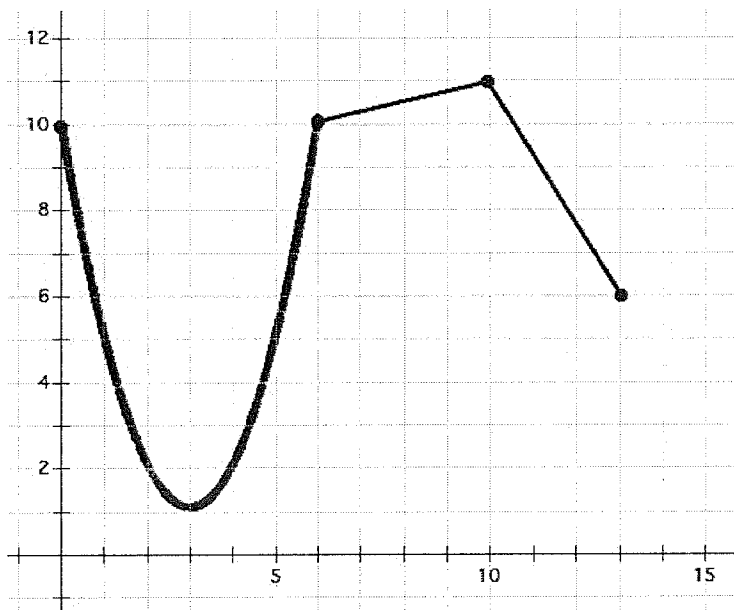Description of context and a story for the graph:

Go

Topic: Describe features of a function from its graphical representation.

For each graph given provide a description of the function. Be sure to consider the following: decreasing/increasing, min/max, domain/range, etc.
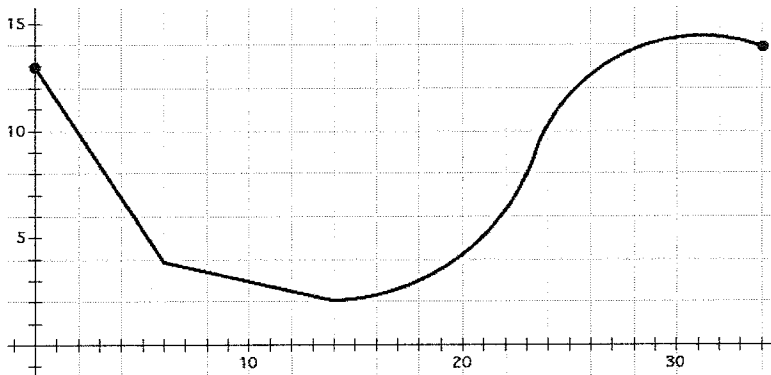
9.   Description of function:

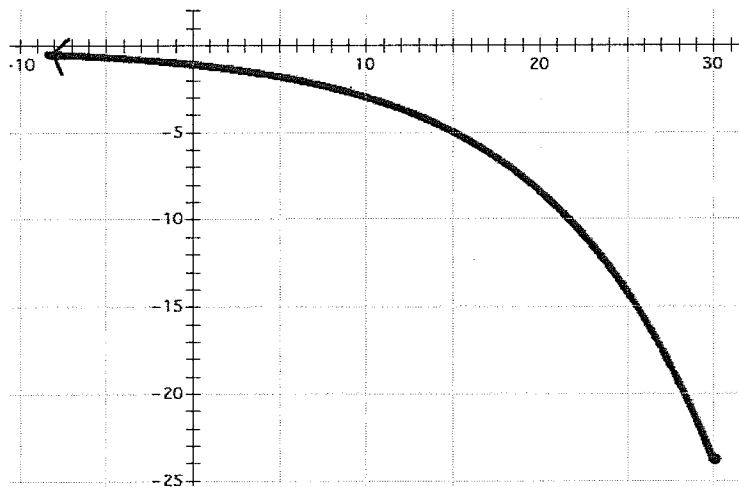

10.   Description of function:

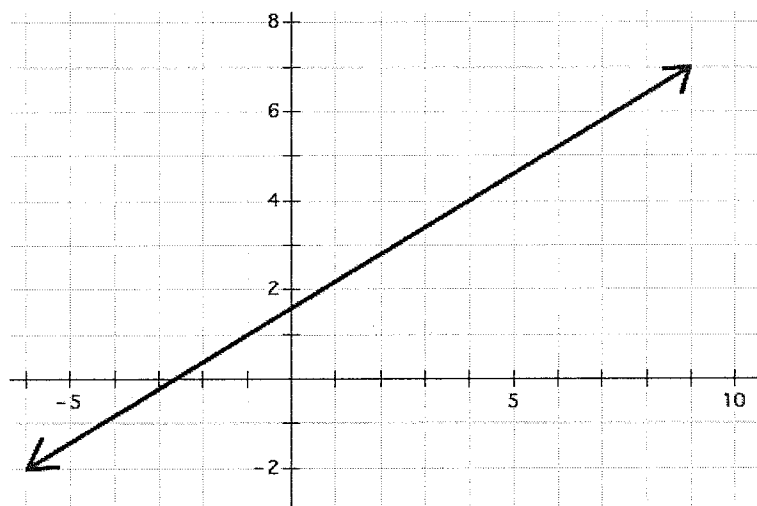**11.**   Description of function:

12.   Description of function: