Name: _____ Date: _____ Period: _____ Score: _____

Sec 1H Unit 5 Day 2 - Graphing Functions Assignment

Draw lines to match the graph to the contextual description that describes it best.

Descriptions

1. The amount of money in a savings account where regular deposits and some withdrawals are made.

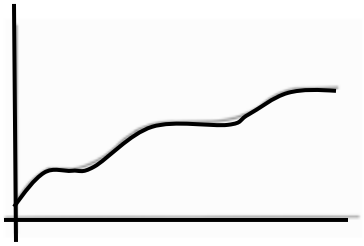
2. The temperature of the oven on a day that mom bakes several batches of cookies.

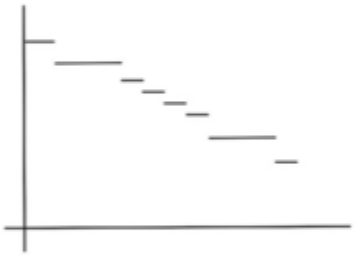
3. The amount of gasoline on hand at the gas station before a tanker truck delivers more.

4. The number of watermelons available for sale at the farmer's market on Thursday.

5. The amount of mileage recorded on the odometer of a delivery truck over a time period.

Graphs



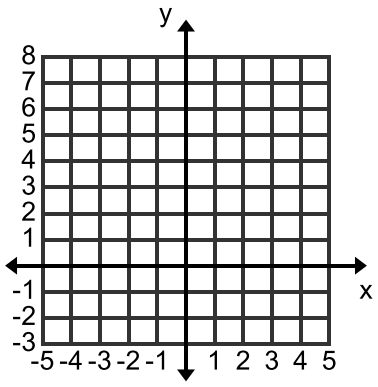


6. Label each axis of the graphs with the proper variables from the appropriate descriptions.

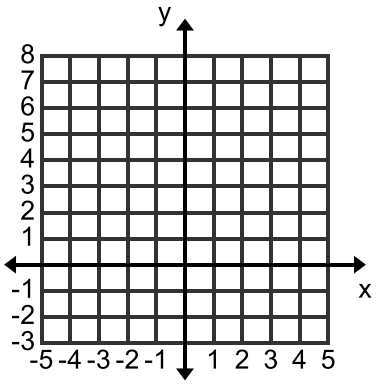
Don't let failure be an ending; make it a beginning.

Graph each of the functions. Make a table of values to help, or use what you know about sequences.

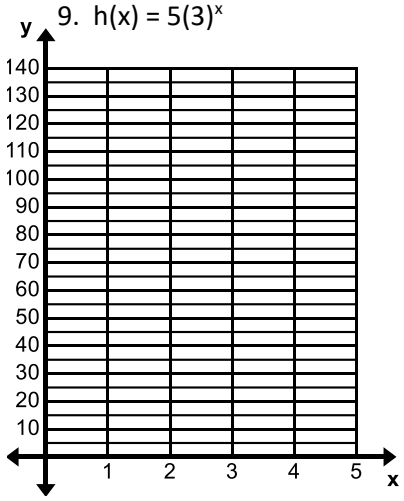
7. $f(x) = -2x + 5$



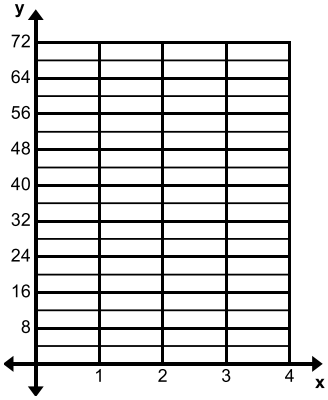
8. $g(x) = 4 - 3x$



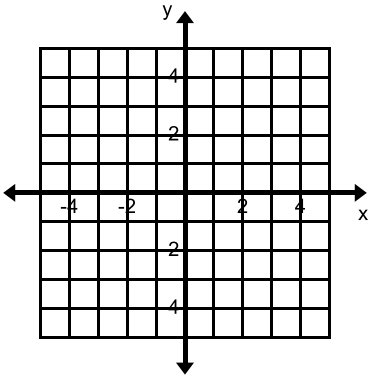
9. $h(x) = 5(3)^x$



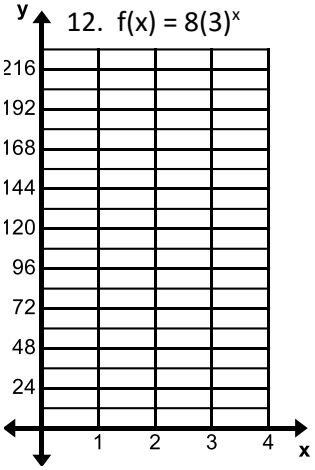
10. $k(x) = 4(2)^x$



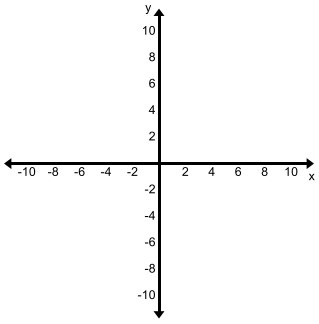
11. $v(t) = 2.5t - 4$



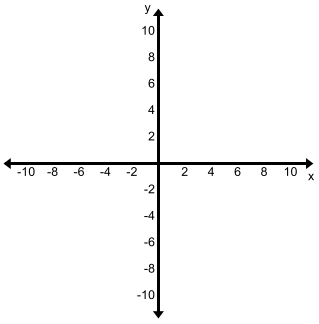
12. $f(x) = 8(3)^x$



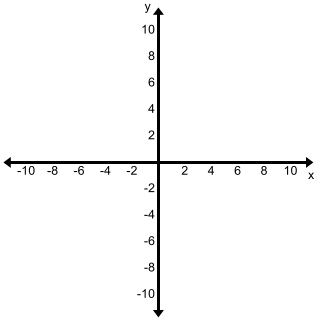
13. Sketch a continuous graph that is a function.



14. Sketch a continuous graph that is **NOT** a function.



15. Sketch a discrete graph that is **NOT** a function.



16. Sketch a discrete graph that is a function.