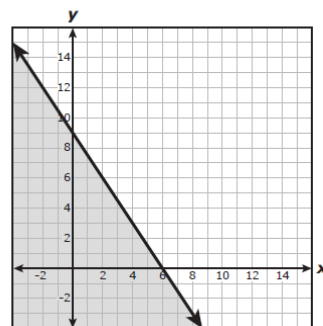
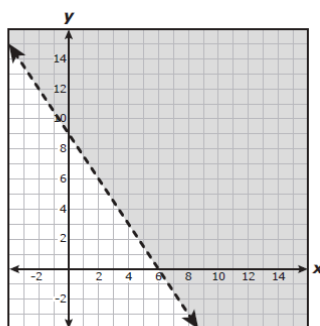
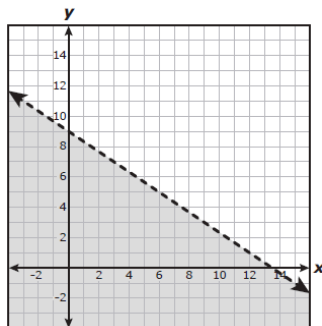
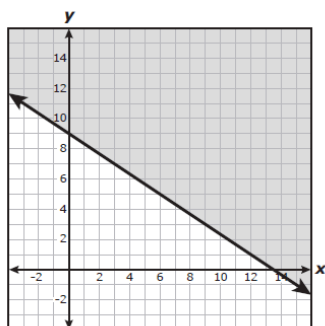


Spiraling Practice

Which graph best represents the solution set of $-4x \leq 6y - 54$?



$$g(x) = 2x - 1$$

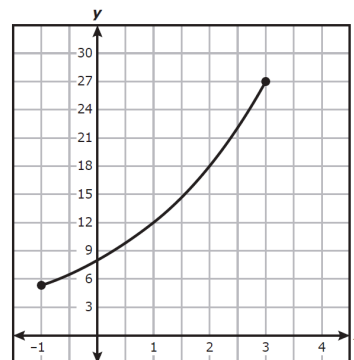
$$h(x) = 1 - g(x)$$

The functions g and h are defined above. What is the value of $h(0)$?

- A) -2
- B) 0
- C) 1
- D) 2

What appears to be the range of the part of the exponential function graphed on the grid?

- A $-1 \leq x \leq 3$
- B $-1 \leq y \leq 3$
- C $5.3 \leq x \leq 27$
- D $5.3 \leq y \leq 27$



Which situation does NOT show causation?

- A When the student population at a school increases, the number of teachers at the school increases.
- B When the amount of sugar in a quart of apple juice is reduced, there are fewer calories in each serving.
- C When there are more workers on a project, the project is completed in less time.
- D When there is more protein in an athlete's diet, the athlete scores more points in a game.

Which of the following is an equivalent simplified expression for $2(4x + 7) - 3(2x - 4)$?

- F. $x + 2$
- G. $2x + 2$
- H. $2x + 26$
- J. $3x + 10$
- K. $3x + 11$

What is the solution set for $-4x + 10 \geq 5x + 55$?

- F $x \geq 5$
- G $x \geq 45$
- H $x \leq -5$
- J $x \leq -45$

Lines p and n lie in the standard (x, y) coordinate plane. An equation for the line p is $y = 0.12x + 3,000$. The slope of line n is 0.1 greater than the slope of line p. What is the slope of line n?

- F. 0.012
- G. 0.02
- H. 0.22
- J. 1.2
- K. 300

Mr. Martinson is building a concrete patio in his backyard and deciding where to buy the materials and rent the tools needed for the project. The table below shows the materials' cost and daily rental costs for three different stores.

Store	Materials' Cost, M (dollars)	Rental cost of wheelbarrow, W (dollars per day)	Rental cost of concrete mixer, K (dollars per day)
A	750	15	65
B	600	25	80
C	700	20	70

The total cost, y , for buying the materials and renting the tools in terms of the number of days, x , is given by $y = M + (W + K)x$.

For what number of days, x , will the total cost of buying the materials and renting the tools from Store B be less than or equal to the total cost of buying the materials and renting the tools from Store A?

- A) $x \leq 6$
- B) $x \geq 6$
- C) $x \leq 7.3$
- D) $x \geq 7.3$

If the relationship between the total cost, y , of buying the materials and renting the tools at Store C and the number of days, x , for which the tools are rented is graphed in the xy -plane, what does the slope of the line represent?

- A) The total cost of the project
- B) The total cost of the materials
- C) The total daily cost of the project
- D) The total daily rental costs of the tools

If $9(x - 9) = -11$, then $x = ?$

- A. $-\frac{92}{9}$
- B. $-\frac{20}{9}$
- C. $-\frac{11}{9}$
- D. $-\frac{2}{9}$
- E. $\frac{70}{9}$

The ABC Book Club charges a \$40 monthly fee, plus \$2 per book read in that month. The Easy Book Club charges a \$35 monthly fee, plus \$3 per book read in that month. For each club, how many books must be read in 1 month for the total charges from each club to be equal?

- F. 1
- G. 4
- H. 5
- J. 6
- K. 75