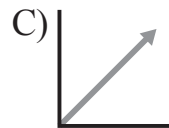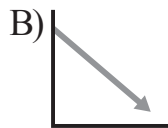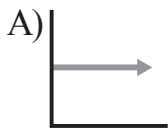# Sample Quiz
Lessons xx–xx

1.   Find the volume of a cone with a radius of 6 ft and a height of 12 ft. Give your answer in terms of π.

2.   Name the pairs of corresponding angles.

3.   Solve. $\dfrac{v+3}{8} = -4$

4.   Fig. X′ was formed by a dilation of Fig. X. Determine the scale factor of the dilation by comparing coordinates.

5. $(3.8 \times 10^6)(2.9 \times 10^{-8}) = ?$ Write the product in scientific notation.

6.   The population of a city is 120,251. Express this value using scientific notation. Round to the nearest tenth.
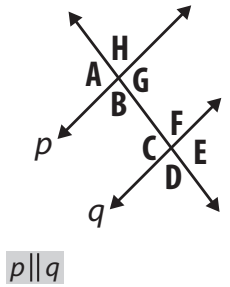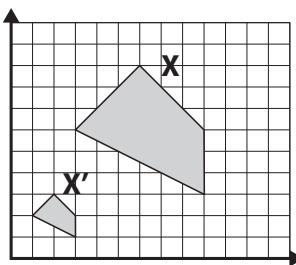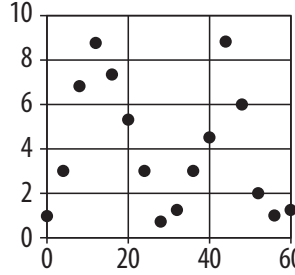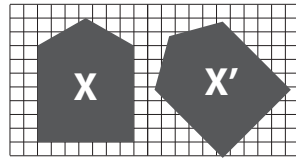
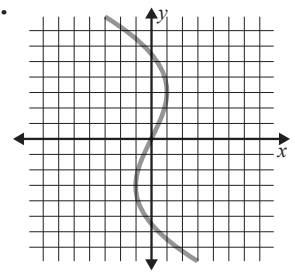7.   In the answer box, describe each slope as either positive, negative, zero, or undefined.

     A)   B)   C)   D)

8.   Write an equivalent expression without using exponents. 6^{-2}

9.   Study the scatter plot. Describe the data in the answer box. Is the data clustered? Can you draw a line of best fit?

10.   The shapes are congruent. Describe a transformation of Figure X that results in Figure X′.

11.   The vertical line test shows this graph does <u>not</u> represent a function. Why not?

12.   Solve the system of equations by graphing.

$$y = x + 5 \qquad\qquad\qquad y = -x + 1$$

1.

8.G.9

2.

8.G.5

$p \| q$

3.

8.EE.7

4.

8.G.3

5.

8.EE.4

6.

8.EE.3

7.

8.EE.6

A)

B)

C)

D)

8.

8.EE.1

9.

8.SP.1

10.

8.G.2

11.

8.F.1

12.

8.EE.8