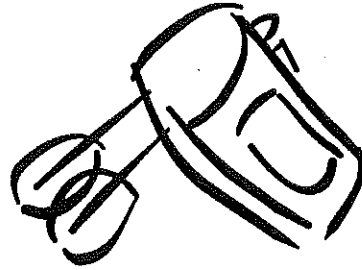
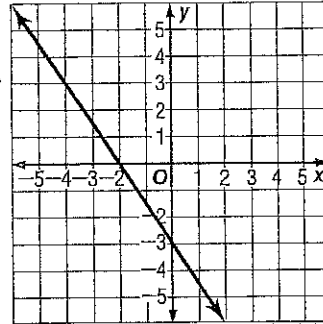


# MCAS MIXER



- 1 The graph to the right shows the relationship between values of  $x$  and  $y$ . As the value of  $x$  decreases from  $-2$  to  $-4$ , what is the change in the value of  $y$ ?



- A. The value of  $y$  increases by 2.  
 B. The value of  $y$  decreases by 2.  
 C. The value of  $y$  increases by 3.  
 D. The value of  $y$  decreases by 3.

7.P.5

- 2 On a map, the distance from Boston, Massachusetts to Providence, Rhode Island is about 28 centimeters. If every 8 centimeters is equal to 12 miles, about how many miles away is Providence from Boston?

- A. 20 miles  
 B. 30 miles  
 C. 40 miles  
 D. 50 miles

7.N.2

- 3 Massachusetts covers about 7,838 square miles. If 1 square mile is approximately 2.6 square kilometers, about how many square kilometers does Massachusetts cover?

- A. 52,984.9 square kilometers  
 B. 20,378.8 square kilometers  
 C. 7,378.0 square kilometers  
 D. 3,014.6 square kilometers

7.M.2

- 4 A recipe for cranberry sauce that will serve 2 people calls for 3 cups of cranberries. How many cups of cranberries are needed to serve 9 people?

- A.  $4\frac{1}{2}$  cups  
 B. 6 cups  
 C. 9 cups  
 D.  $13\frac{1}{2}$  cups

7.N.2

- 5 The Bash Bish Falls is the highest waterfall in Massachusetts. The waterfall is made up of a series of smaller falls thought to total a height of about 200 feet. How many yards is 200 feet?

- A. 1,200 yards  
 B. 600 yards  
 C.  $66\frac{2}{3}$  yards  
 D.  $33\frac{1}{3}$  yards

7.M.1