Pythagorean Theorem
Scavenger Hunt

DISTANCE ON A COORDINATE PLANE

Use the space for each card to show your work. Then, record your answer and the card that follows.

A

Answer: _____   Next Card: _____

B

Answer: _____   Next Card: _____

C

Answer: _____   Next Card: _____
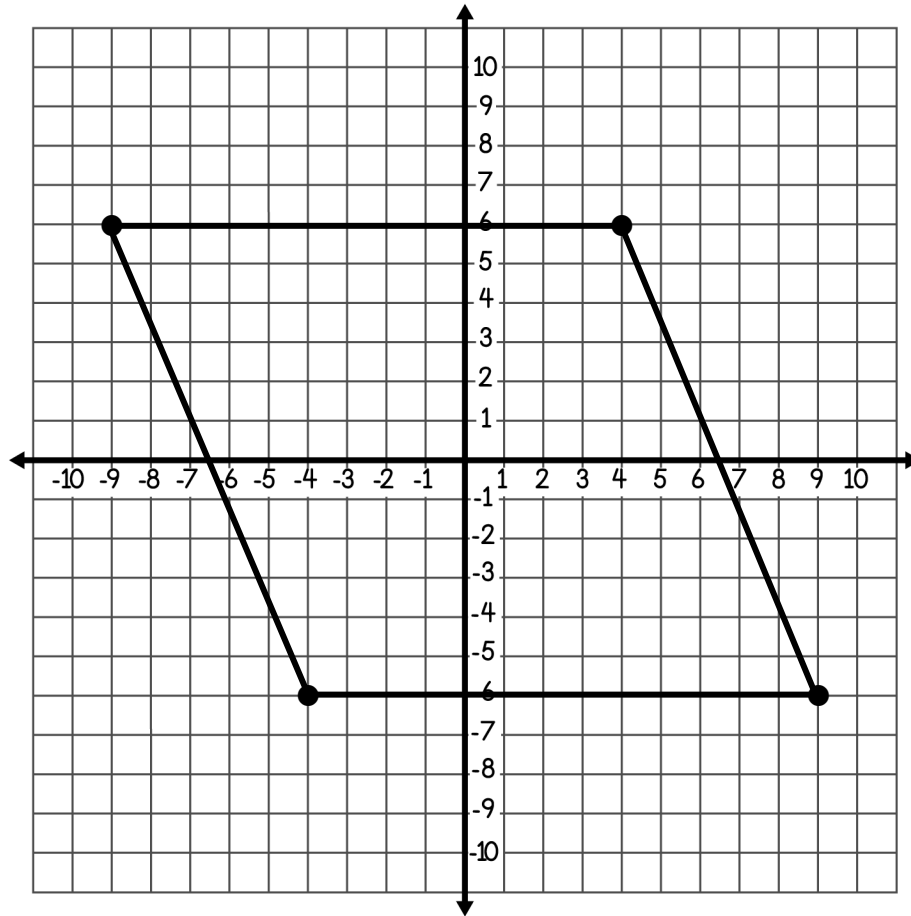
D

Answer: _____   Next Card: _____
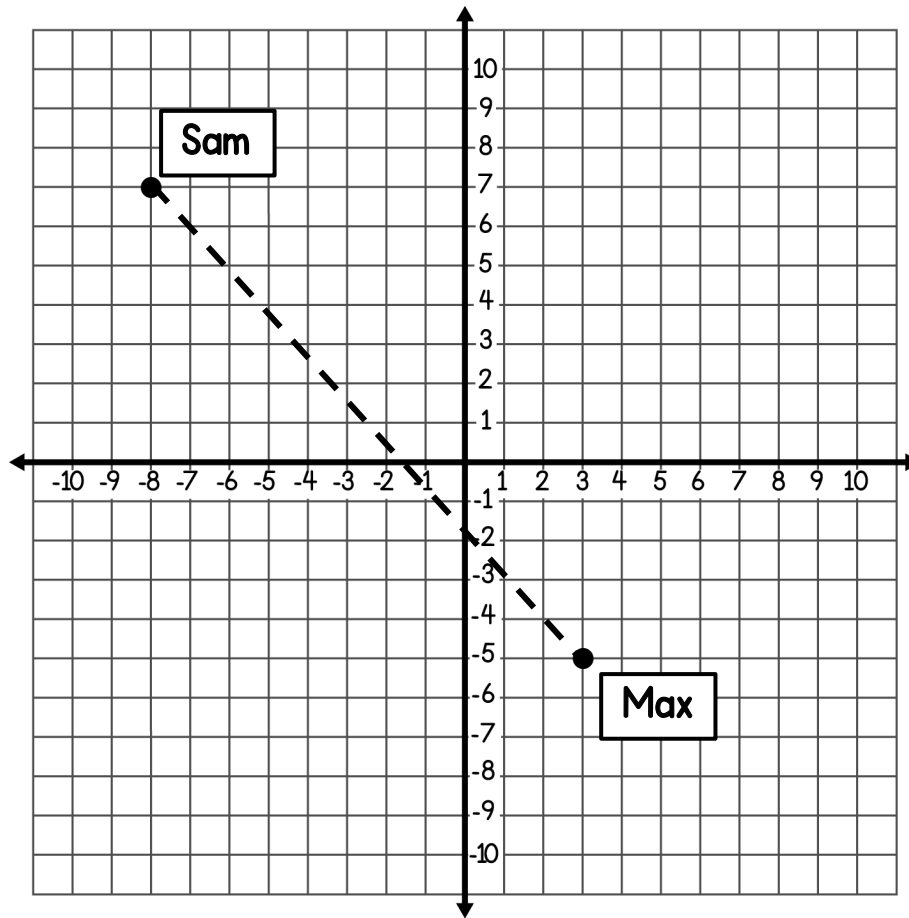
E

Answer: _____ Next Card: _____

F

Answer: _____ Next Card: _____

G

Answer: _____ Next Card: _____

H

Answer: _____ Next Card: _____

I

Answer: _____ Next Card: _____

J

Answer: _____ Next Card: _____

The graph above shows the plans for a playground being built at Jones Elementary. If each unit on the graph represents 10 yards, what is the perimeter of the playground?
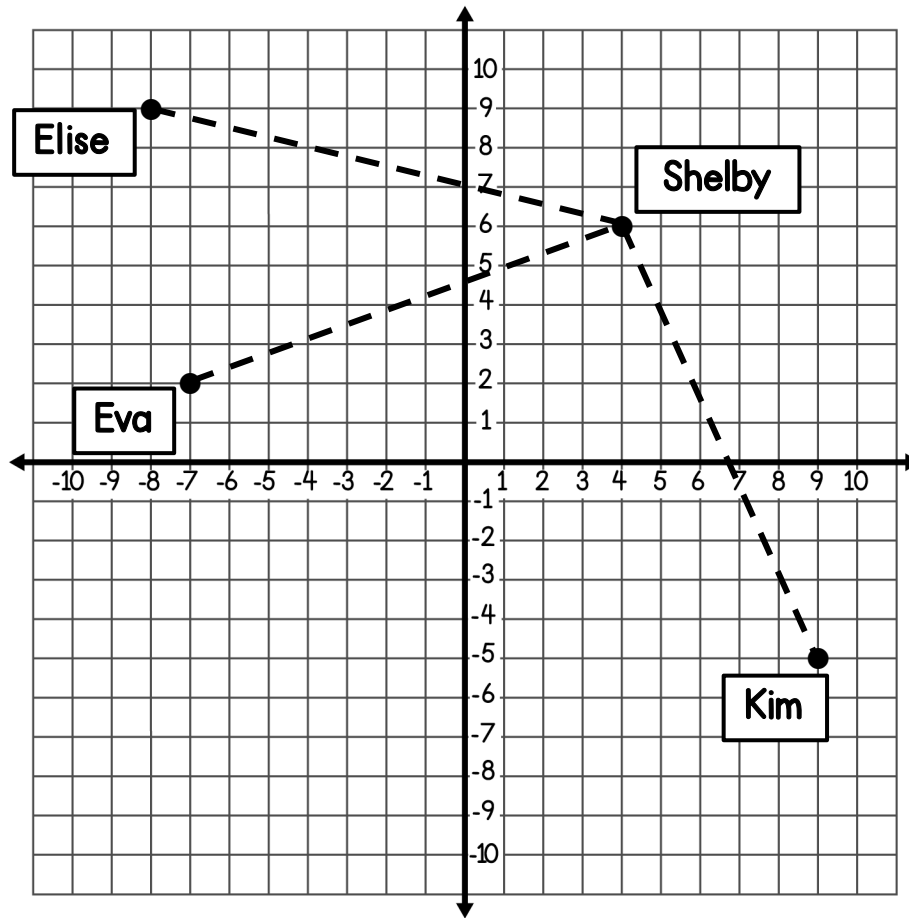
A. 52 yards (go to B)
B. 520 yards (go to F)
C. 13 yards (go to D)
D. 260 yards (go to C)

Max threw a Frisbee to Sam along the path shown above. If each unit on the graph represents 15 feet, how many feet did the Frisbee travel? Round to the nearest whole number.

A. 244 feet (go to H)
B. 345 feet (go to E)
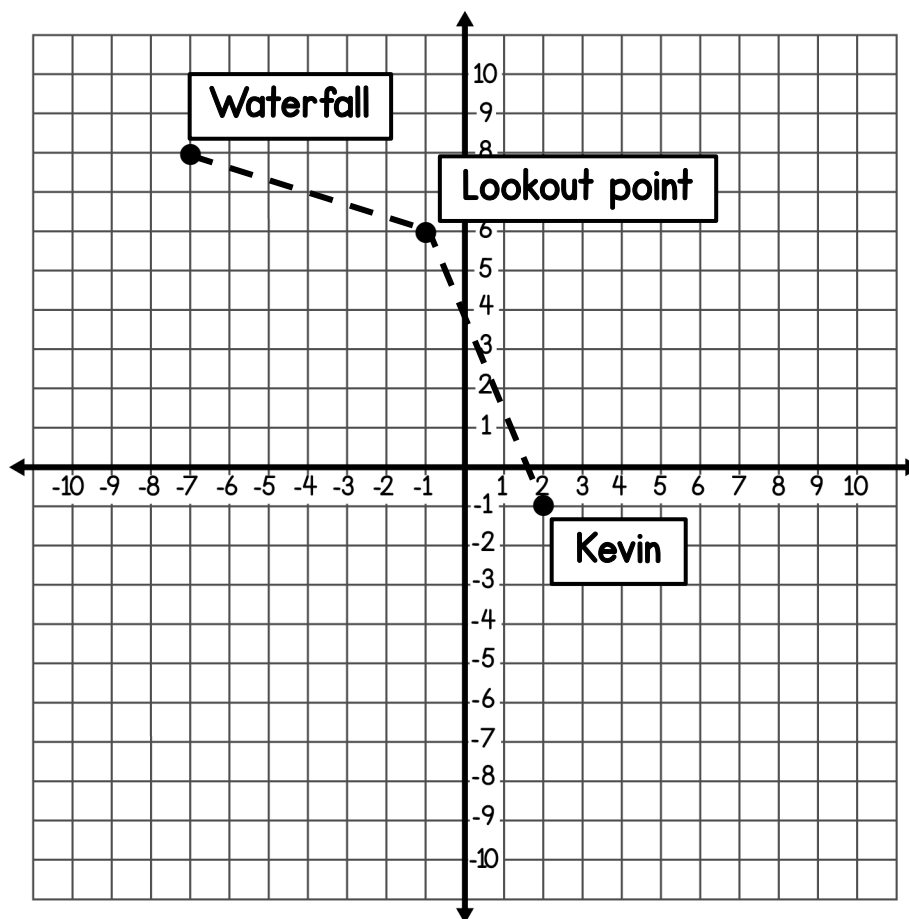C. 18 feet (go to J)
D. 16 feet (go to C)

C

The graph shows the distances between Shelby's house and a few of her friends' houses. Each unit on the graph represents one mile. If Shelby is going to visit a friend who lives less than 12 miles away, whose house is she going to?
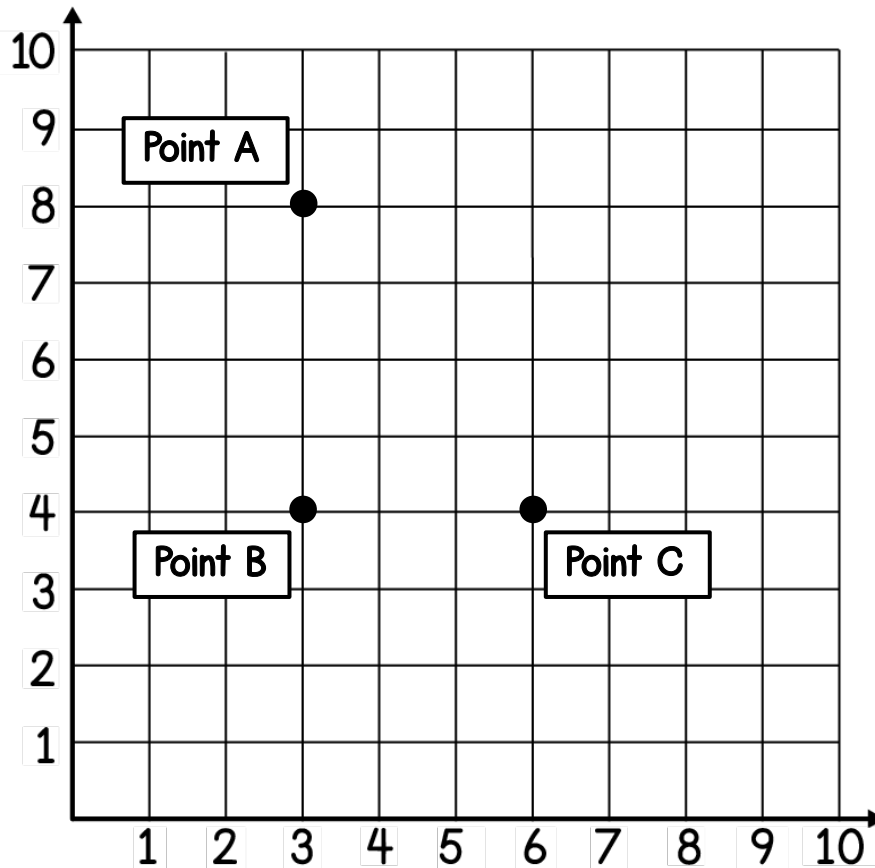
A. Elise's house (go to A)
B. Eva's house (go to G)
C. Kim's house (go to D)
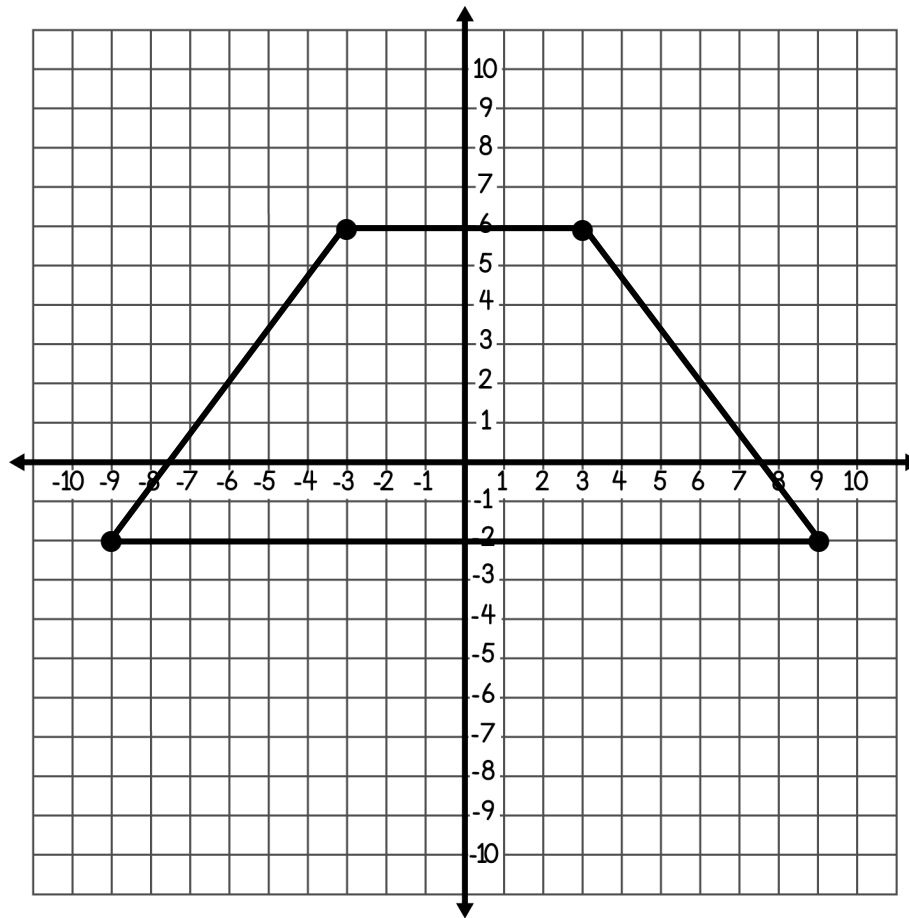D. Elise or Eva's house (go to F)

D

Kevin went hiking in search of the waterfall, but he ended up at the lookout point instead. If every unit on the graph represents 0.5 miles, how many miles will he need to hike from the lookout point to get to the waterfall? Round to the nearest tenth.

A. 6.3 miles (go to E)
B. 4.8 miles (go to G)
C. 5.1 miles (go to J)
D. 3.2 miles (go to I)

In her lifeguarding class, Summer swam a loop from Point A to Point B, then to Point C and then diagonally back to Point A. Each unit on the graph represents 10 meters. If Summer swam the loop 3 times, how many total meters did she swim?

A. 120 meters (go to F)
B. 210 meters (go to H)
C. 360 meters (go to J)
D. 400 meters (go to I)

F

The graph shows the top view of a desk in Mr. Gomez's classroom. If each unit on the graph represents 2 inches, what is the perimeter of the desk?
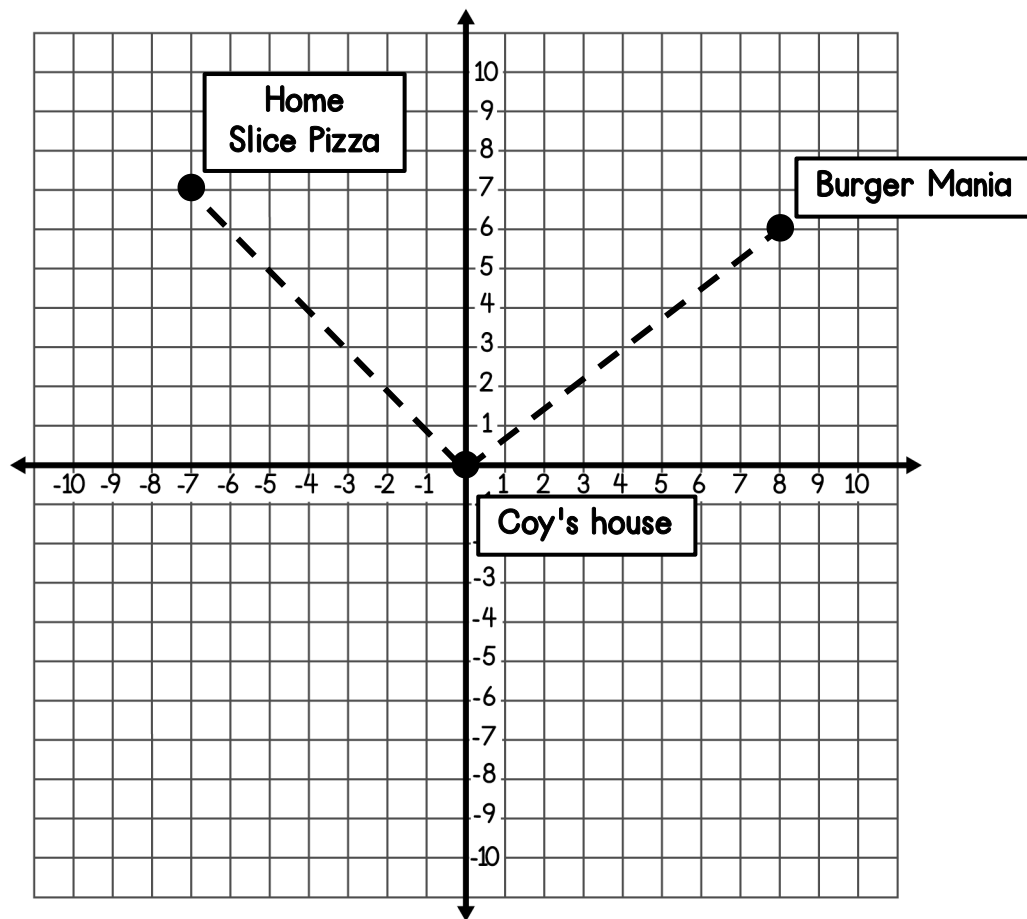
A. 44 inches (go to C)
B. 78 inches (go to I)
C. 88 inches (go to D)
D. 90.2 inches (go to G)

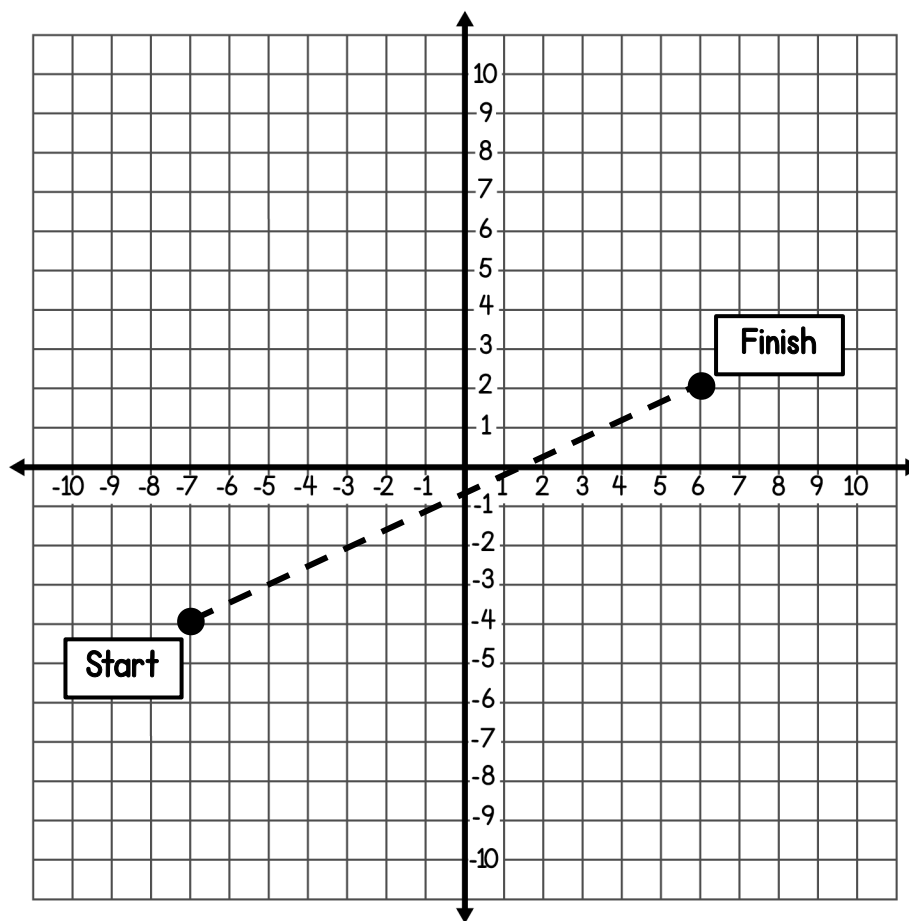To get in shape for basketball tryouts, Tyrece runs sprints from his mailbox to the stop sign and back. Each unit on the graph represents 5 meters. If Tyrece ran to the stop sign and back 10 times, how many total meters did he sprint? Round to the nearest whole number.

A. 806 meters (go to A)
B. 312 meters (go to H)
C. 403 meters (go to F)
D. 650 meters (go to J)

The graph shows the distances between Coy's house and two restaurants. If each unit on the graph represents one mile, which restaurant is within 10 miles of Coy's house?
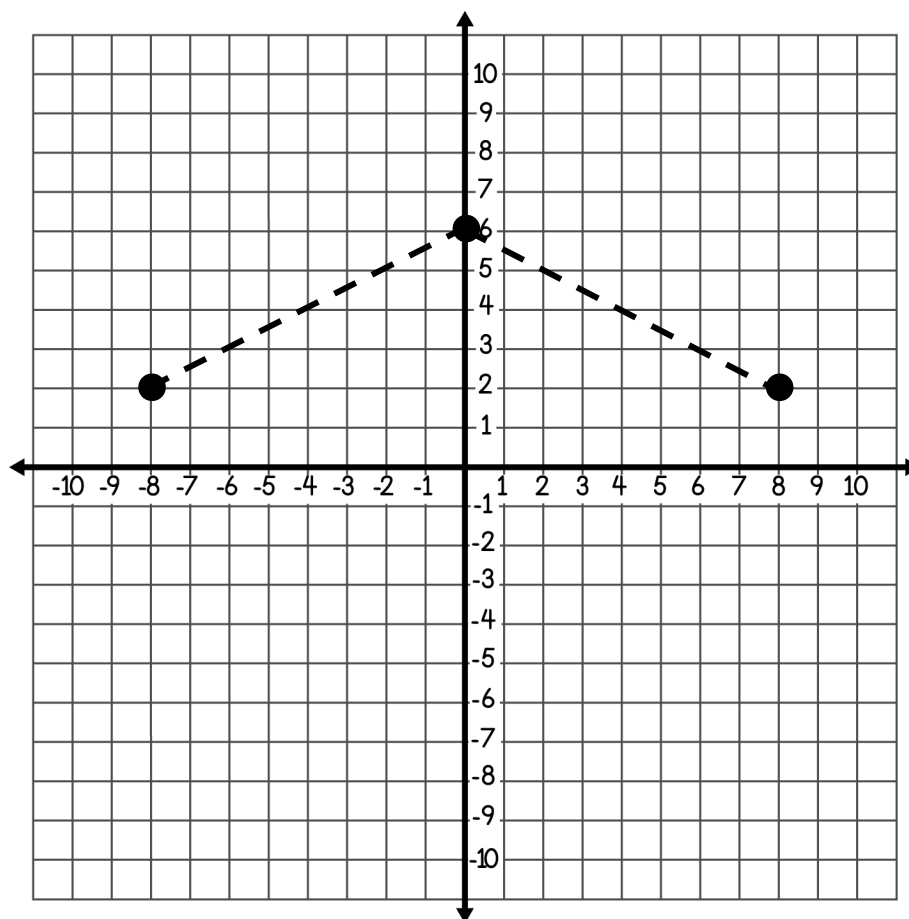
A. Only Home Slice Pizza is within 10 miles. (go to I)
B. Only Burger Mania is within 10 miles. (go to A)
C. Neither restaurant is within 10 miles. (go to D)
D. Both restaurants are within 10 miles. (go to E)

The graph shows the path that John and Miles canoed down the river. Their goal was to canoe at least 14 miles. If each unit on the graph represents one mile, which of the following is a true statement?

A. They beat their goal by about 5 miles. (go to H)
B. They missed their goal by about 5 miles. (go to J)
C. They beat their goal by about 0.3 miles. (go to B)
D. They missed their goal by about 0.3 miles. (go to C)

Jamal put up Christmas lights along the two sides of his roof, shown on the graph. If each unit on the graph represents 2 feet, how many total feet of Christmas lights did he hang? Round to the nearest whole number.

A. 160 feet (go to B)
B. 36 feet (go to C)
C. 80 feet (go to F)
D. 18 feet (go to A)

Name _**Answer Key**_____

Date _____Pd_____

DISTANCE ON A COORDINATE PLANE

Use the space for each card to show your work. Then, record your answer and the card that follows.

A

Answer: __B__ Next Card: __F__

B

Answer: __A__ Next Card: __H__

C

Answer: __B__ Next Card: __G__

D

Answer: __D__ Next Card: __I__

E

Answer: _____C_____ Next Card: _____J_____

F

Answer: _____C_____ Next Card: _____D_____

G

Answer: _____A_____ Next Card: _____A_____

H

Answer: _____D_____ Next Card: _____E_____

I

Answer: _____C_____ Next Card: _____B_____

J

Answer: _____B_____ Next Card: _____C_____