1. This is a map of Brandon's town.


Key
H Home
S School
M Museum
L Library

Which figure will be created if Brandon walks from home to school, then to the museum, then to the library, and finally back home?

A trapezoid
B square
C rhombus
D rectangle
2. Which line is parallel to $\overleftrightarrow{L N}$ ?


A $\overleftrightarrow{L M}$

B $\overleftrightarrow{M Q}$
$\mathrm{C} \quad \overleftrightarrow{M R}$

D $\quad \overleftrightarrow{P R}$
3. Vicki placed four straws on her table.


Which two straws appear to be perpendicular to each other?
A $\quad$ straws 1 and 2
B straws 1 and 3
C straws 2 and 4
D straws 2 and 3
4. Which of the following times on the face of a clock shows an hour hand and a minute hand that are perpendicular?

A $2: 00$
B $4: 00$
C 6:00
D 9:00
5. Which is a reflection of Figure I across the line?


Figure I
A


C


D

6.


Which figure is a translation of the polygon?

## A

B


C

D

7. How will the kite look if the wind rotates it $90^{\circ}$ counterclockwise?


A


B


C


D

8. Which of the following shows a shaded figure and its rotation?

A


B


C


D


## End of Goal 3 Sample Items

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# Math Goal 3 <br> Sample Items Key Report 

1

## Objective: <br> 3.01

Use the coordinate system to describe the location and relative position of points and draw figures in the first quadrant. Use the coordinate system to draw figures in the first quadrant.
Thinking Skill: Applying Correct Answer: A

## $2 \quad$ Objective: 3.02

Describe the relative position of lines using concepts of parallelism and perpendicularity.
Thinking Skill: Organizing Correct Answer: D
$3 \quad$ Objective: 3.02
Describe the relative position of lines using concepts of parallelism and perpendicularity.
Thinking Skill: Organizing Correct Answer: C
$4 \quad$ Objective: 3.02
Describe the relative position of lines using concepts of parallelism and perpendicularity.
Thinking Skill: Analyzing Correct Answer: D
$5 \quad$ Objective:
3.03

Reflections. Identify, predict, and describe the results of reflections of plane figures.
Thinking Skill: Applying Correct Answer: B
6 Objective: 3.03
Reflections. Identify, predict, and describe the results of reflections of plane figures.
Thinking Skill: Applying Correct Answer: B
$7 \quad$ Objective: 3.03
Rotations. Identify, predict, and describe the results of rotations of plane figures.
Thinking Skill: Applying Correct Answer: C

## 8 Objective: 3.03

Rotations. Identify, predict, and describe the results of rotations of plane figures.
Thinking Skill: Applying
Correct Answer: A

