Assessment : Section A Checkpoint

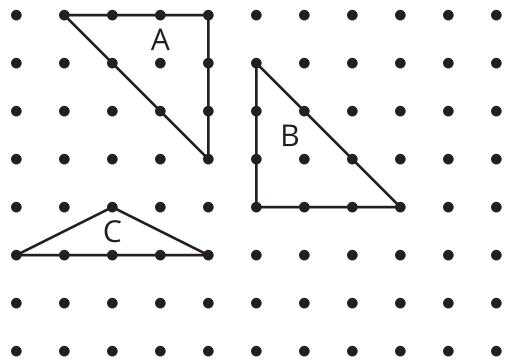
Problem 1

Goals Assessed

- Students classify triangles and quadrilaterals based on the properties of their side lengths and angles, and learn about lines of symmetry in two-dimensional figures. They use their understanding of these attributes to solve problems, including problems involving perimeter and area.

Statement

Which of the triangles are right triangles? Explain or show your reasoning.



Solution

Sample response: Triangle A is a right triangle because the angle at the top right is a right angle. Triangle B is a right triangle because the angle at the bottom left is a right angle. Triangle C is not a right triangle because it does not have any right angles.

Problem 2

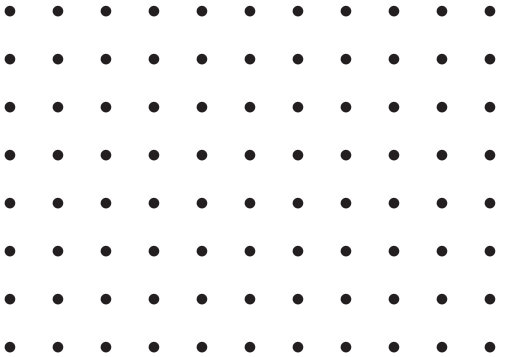
Goals Assessed

- Students classify triangles and quadrilaterals based on the properties of their side lengths and angles, and learn about lines of symmetry in two-dimensional figures. They use their understanding of these attributes to solve problems, including problems involving perimeter and area.

Statement

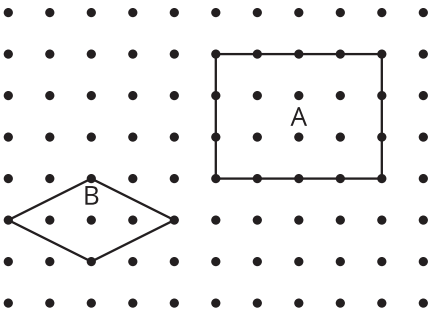
1. Draw a shape that is a rectangle but not a rhombus. Label it A.

2. Draw a shape that is a rhombus but not a rectangle. Label it B.



Solution

Sample response:



Problem 3

Goals Assessed

- Students classify triangles and quadrilaterals based on the properties of their side lengths and angles, and learn about lines of symmetry in two-dimensional figures. They use their understanding of these attributes to solve problems, including problems involving perimeter and area.

Statement

Draw all lines of symmetry for each shape.

A H W N

Solution


A H W N