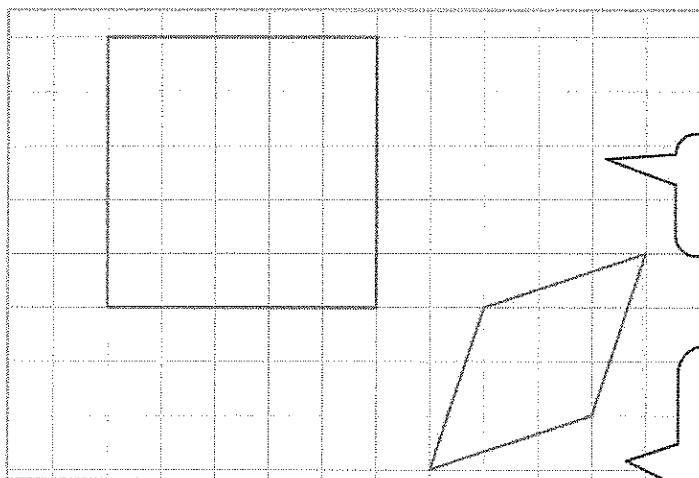## G4-M4-Lesson 16

1. Construct a quadrilateral with all sides of equal length. What shape did you create?

Sample Response:
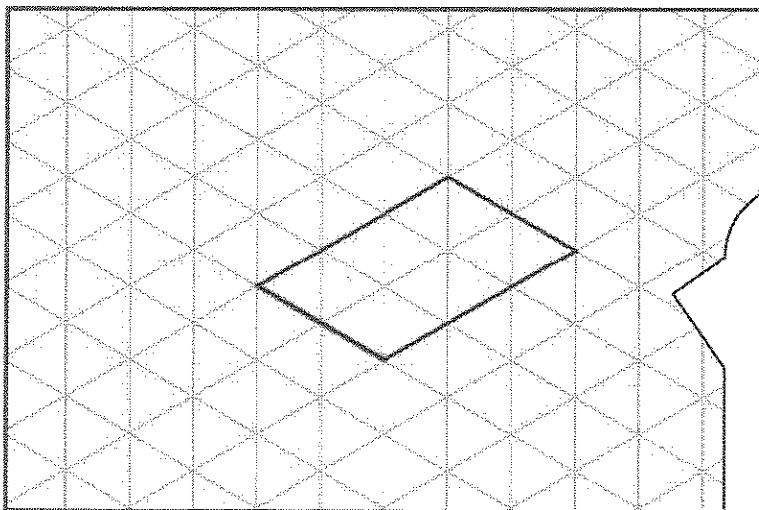
I created a square.

I trace the gridlines to draw line segments of equal length, constructing a square.

I created a rhombus.

I look for a pattern on the grid to draw a rhombus. I draw segments that go diagonally across three squares of the grid.

2. Construct a quadrilateral with two sets of parallel sides. What shape did you create?

Sample Response:

I created a parallelogram.

I trace along one of the diagonal gridlines. I draw a second segment parallel to the first by tracing along a gridline two triangle side lengths away. I draw the third and fourth segments by tracing along two other diagonal gridlines going in the opposite direction. I use a ruler and right angle template to verify that the sets of sides are parallel.

I also could have drawn a rectangle, a square, or a rhombus because they are also quadrilaterals with two sets of parallel sides.

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Lesson 16:   Reason about attributes to construct quadrilaterals on square or triangular grid paper.

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