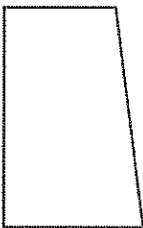
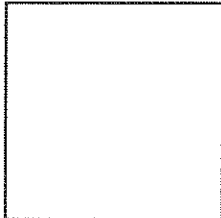


## G5-M6-Lesson 29

Use your ruler, protractor, and set square to help you give as many names as possible for each figure below. Then, explain your reasoning for how you named each figure.

Figure	Names	Reasoning for Names
<p>a.</p> 	<p><i>quadrilateral</i></p> <p><i>trapezoid</i></p>	<p><i>This figure is a <u>quadrilateral</u> because it is a closed figure with 4 sides.</i></p> <p><i>It's also a <u>trapezoid</u> because it has at least one pair of parallel sides. The top and bottom sides are parallel.</i></p>
<p>b.</p> <p>I use my protractor and ruler to measure the angles and the side lengths.</p>  <p>This shape has four <math>90^\circ</math> angles and four equal sides. That means it's a square, but it has other names, too.</p>	<p><i>quadrilateral</i></p> <p><i>trapezoid</i></p> <p><i>parallelogram</i></p> <p><i>rectangle</i></p> <p><i>rhombus</i></p> <p><i>kite</i></p> <p><i>square</i></p>	<p><i>This figure is a <u>quadrilateral</u> because it is a closed figure with 4 sides.</i></p> <p><i>It's also a <u>trapezoid</u> because it has at least one pair of parallel sides. This shape actually has 2 pairs.</i></p> <p><i>This shape is also a <u>parallelogram</u> because opposite sides are both parallel and equal in length.</i></p> <p><i>It's also a <u>rectangle</u> because it has 4 right angles.</i></p> <p><i>It's a <u>rhombus</u> because all 4 sides are equal in length.</i></p> <p><i>It's also a <u>kite</u> because it has 2 pairs of adjacent sides that are equal in length.</i></p> <p><i>But most specifically, it's a <u>square</u> because it has 4 right angles and 4 sides of equal length.</i></p>