

NAME \_\_\_\_\_

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# Drawing Two-Dimensional Figures page 1 of 3

## Note to Families

When studying geometry, it is important to understand and be able to use precise language for describing and comparing shapes. In this assignment, students illustrate certain terms and use their understanding of geometry words to draw shapes with different combinations of attributes. We include the vocabulary guide below to refresh your memory and help students remember what the words mean.

Term	Definition	Example
parallel lines	two or more lines that run in either direction and never cross	
perpendicular lines	two or more lines that cross at right angles	
right angle	an angle that measures exactly 90 degrees	
acute angle	an angle that measures between 0 and 90 degrees	
obtuse angle	an angle that measures between 90 and 180 degrees	
quadrilateral	a closed shape with 4 sides	
pentagon	a closed shape with 5 sides	
hexagon	hexagon a closed shape with 6 sides	

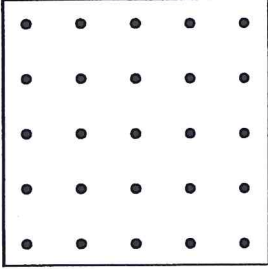
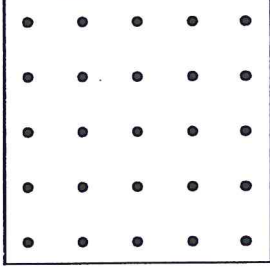
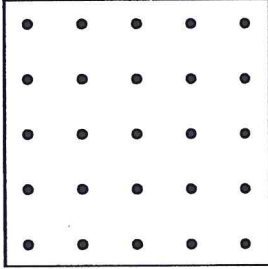
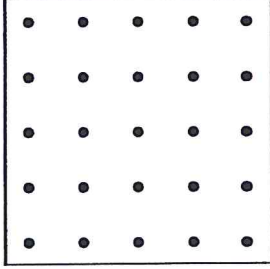
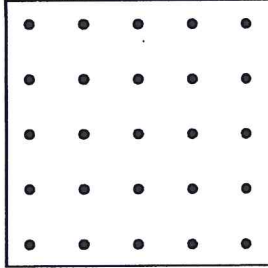
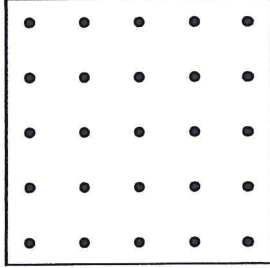
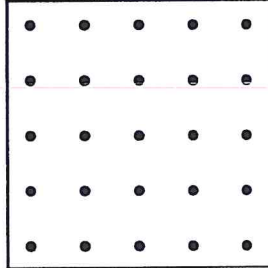
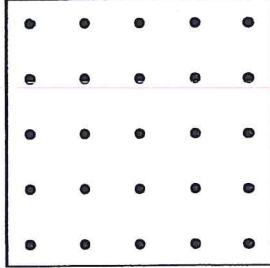
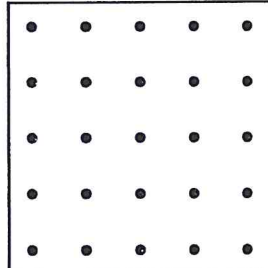
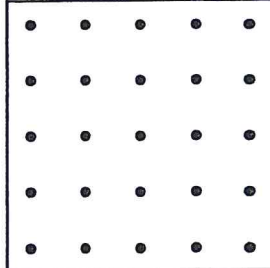
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**1** Draw at least two examples of each term below. If you can't remember what the words mean, look at the guide to geometry terms on page 95.

Term	Your Drawings	
<p><b>a</b> parallel lines</p>		
<p><b>b</b> perpendicular lines</p>		
<p><b>c</b> right angle</p>		
<p><b>d</b> obtuse angle</p>		
<p><b>e</b> acute angle</p>		

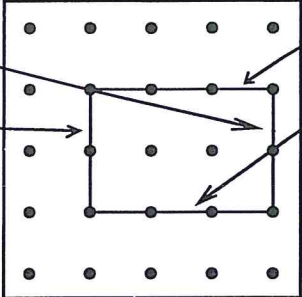
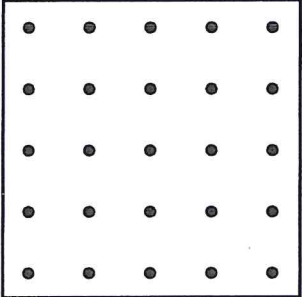
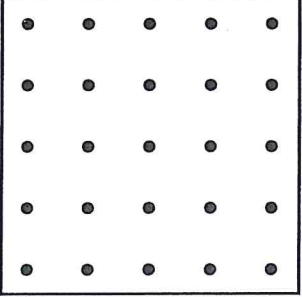
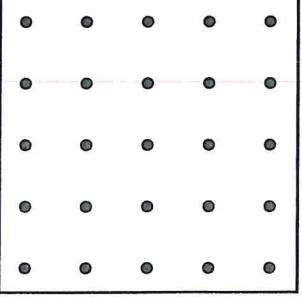
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**2** Draw at least one shape that matches each description below. For each shape, use arrows and words to show how your shape matches the description.

Description	Your Shape
<p><b>ex</b> A quadrilateral with 2 pairs of <i>parallel</i> sides</p>	
<p><b>a</b> A quadrilateral with only 1 pair of <i>parallel</i> sides</p>	
<p><b>b</b> A pentagon with exactly 1 <i>right angle</i> and exactly 1 <i>acute angle</i></p>	
<p><b>c</b> A hexagon with exactly 1 pair of <i>perpendicular</i> sides</p>	
<p><b>d</b> A hexagon with exactly 1 pair of <i>parallel</i> sides</p>	