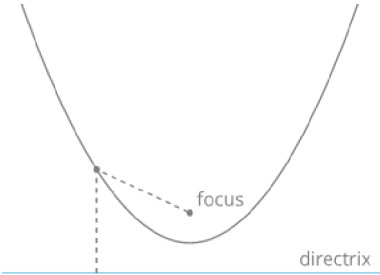
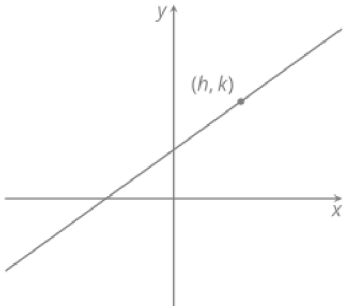
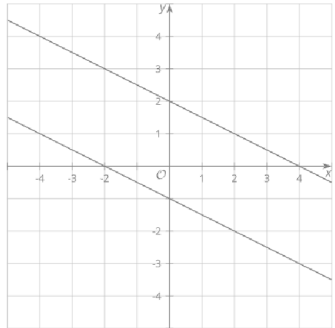
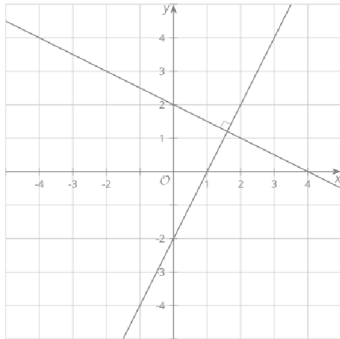
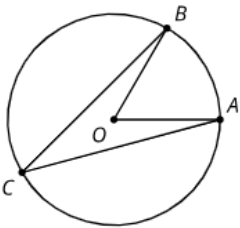
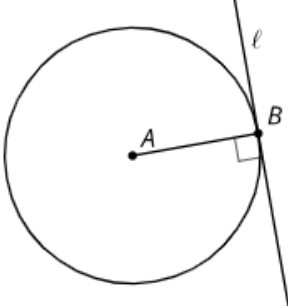
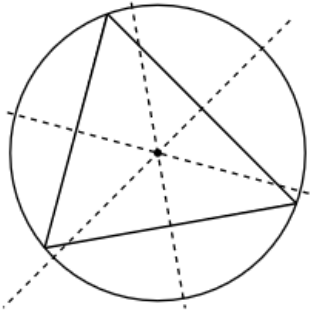
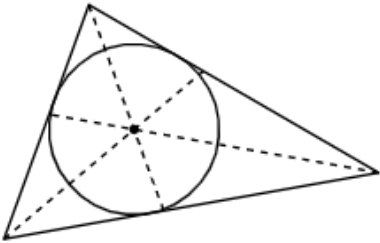
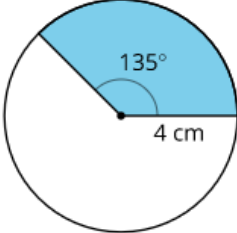


lesson, type	statement	diagram
U6, L7 definition	A <b>parabola</b> is the set of points that are equidistant from a given point, called the <i>focus</i> , and a given line, called the <i>directrix</i> .	
U6, L9 definition	The <b>point-slope form</b> of the equation of a line is $y - k = m(x - h)$ where $(h, k)$ is a particular point on the line and $m$ is the slope of the line.	
U6, L10 theorem	Lines are parallel if and only if they have equal slopes.	
U6, L11 theorem	Lines are perpendicular if and only if their slopes are opposite reciprocals.	
U7, L2 assertion	<b>Inscribed Angle Theorem:</b> The measure of an inscribed angle is half the measure of the central angle that defines the same arc.	 $m\angle BCA = \frac{1}{2}m\angle BOA$

lesson, type	statement	diagram
U7, L3 theorem	A line is tangent to a circle if and only if it is perpendicular to the radius drawn to the point of tangency.	
U7, L5 theorem	The 3 perpendicular bisectors of the sides of a triangle meet at a single point, called the triangle's <b>circumcenter</b> . This point is the center of the triangle's circumscribed circle.	
U7, L7 theorem	The 3 angle bisectors of a triangle meet at a single point, called the triangle's <b>incenter</b> . This point is the center of the triangle's inscribed circle.	
U7, L8 theorem	To calculate the area of a sector or the length of an arc, first find the fraction of the circle represented by the central angle of the arc or sector. Multiply this fraction by the circle's area or circumference.	 <p>arc length: <math>3\pi</math> cm sector area: <math>6\pi</math> cm<sup>2</sup></p>
U7, L11 definition	For any angle, imagine drawing a circle with the angle's vertex at its center. Then, the <b>radian</b> measure of the angle is the ratio of the length of the arc defined by the angle to the circle's radius. That is, $\theta = \frac{\text{arc length}}{\text{radius}}$ .	