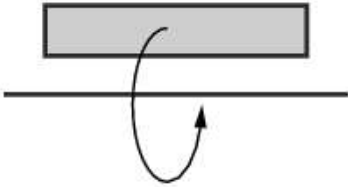

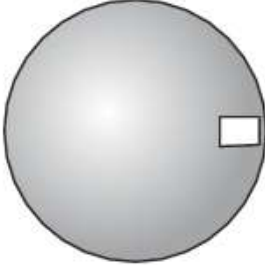

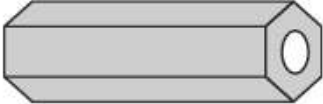


MAFS.912.G-GMD.2.4	Identify the shapes of two-dimensional cross-sections of three-dimensional objects, and identify three-dimensional objects generated by rotations of two-dimensional objects.
Item Types	<p>GRID – May require creating a line to show the location of the cross-section of three-dimensional figures or drawing two-dimensional shapes.</p> <p>Hot Text – May require selecting the word or figure that describes the three-dimensional figure made from the two-dimensional figure or sorting three-dimensional figures with their two-dimensional cross-sections and vice versa.</p> <p>Matching Item – May require sorting three-dimensional figures with their two-dimensional cross-sections and vice versa.</p> <p>Multiple Choice – May require selecting from choices.</p> <p>Multiselect – May require identifying statements.</p>
Clarifications	<p>Students will identify the shape of a two-dimensional cross-section of a three-dimensional object.</p> <p>Students will identify a three-dimensional object generated by a rotation of a two-dimensional object.</p>
Assessment Limits	<p>Items may include vertical, horizontal, or other cross-sections.</p> <p>Items may include more than one three-dimensional shape.</p>
Stimulus Attributes	<p>Items may be set in a real-world or mathematical context.</p> <p>A verbal description of a cross-section or a three-dimensional shape may be used.</p>
Response Attribute	Items may require the student to draw a line that shows the location of a cross-section.
Calculator	Neutral

Sample Item	Item Type
<p data-bbox="1052 233 1240 262">Multiple Choice</p> <p data-bbox="196 306 888 336">A rectangle and a horizontal line segment are shown.</p> <div data-bbox="196 384 542 569"></div> <p data-bbox="196 619 1419 648">What is the resulting object when the rectangle is rotated around the horizontal line segment?</p> <div data-bbox="196 688 600 1449"><p data-bbox="196 688 228 718">Ⓐ</p><p data-bbox="196 905 228 934">Ⓑ</p><p data-bbox="196 1199 228 1228">Ⓒ</p><p data-bbox="196 1346 228 1375">Ⓓ</p></div>	