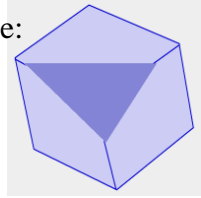
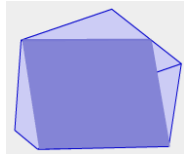
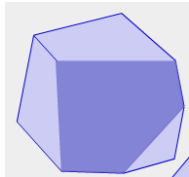


5. Which of the following shapes can not be formed by intersecting a plane with a cube?

A. Triangle	<p>Incorrect. An example:</p>  <p>Illustration from <a href="http://www.learner.org/courses/learningmath/geometry/session9/part_c/index.html">http://www.learner.org/courses/learningmath/geometry/session9/part_c/index.html</a></p>
B. Parallelogram	<p>Incorrect. An example:</p>  <p>Illustration from <a href="http://www.learner.org/courses/learningmath/geometry/session9/part_c/index.html">http://www.learner.org/courses/learningmath/geometry/session9/part_c/index.html</a></p>
C. Pentagon	<p>Incorrect. An example:</p>  <p>Illustration from <a href="http://www.learner.org/courses/learningmath/geometry/session9/part_c/index.html">http://www.learner.org/courses/learningmath/geometry/session9/part_c/index.html</a></p>
D. Octagon	<p>Correct. It is not possible to form a cross section shaped like an octagon.</p>