TeachEngineering.org – Free STEM Curriculum for K-12

Spatial Visualization Practice Quiz Answer Key

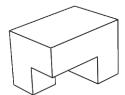
Instructions: This quiz is designed to find out how well you are able to visualize the rotation of three-dimensional objects. For each problem below, circle the correct answer: A, B or C.

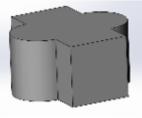
There are 12 questions and the duration of the quiz is 12 minutes.

1.

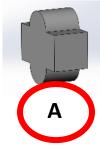


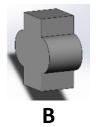
is rotated to \rightarrow

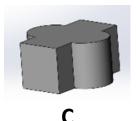




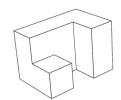
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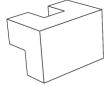


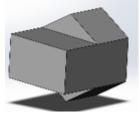


2.

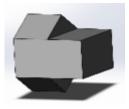


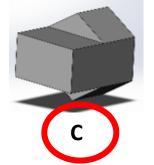
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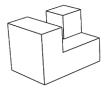


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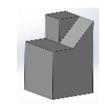


Α

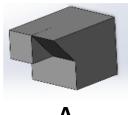


is rotated to →

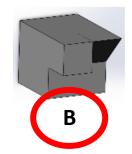


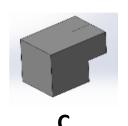


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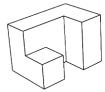
Α

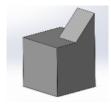




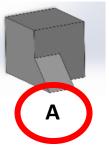


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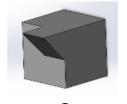


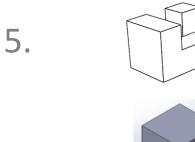


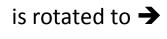
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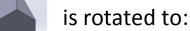
В

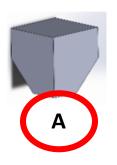


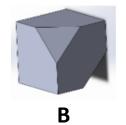


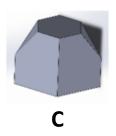




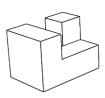








6.

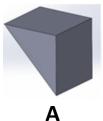


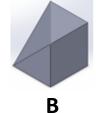
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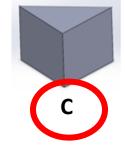


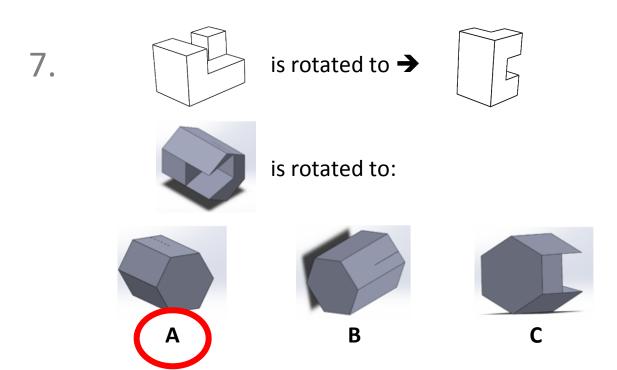


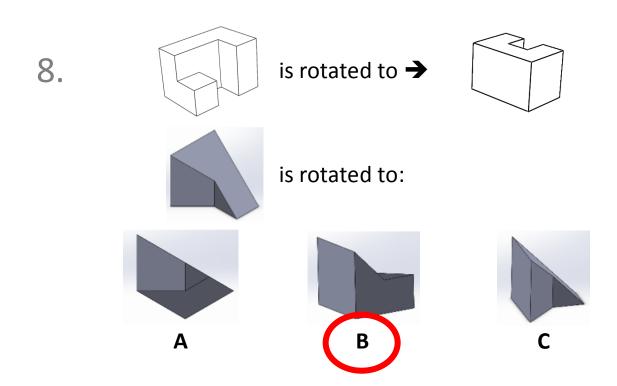
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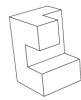




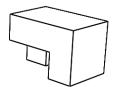




9.

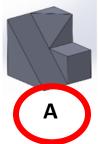


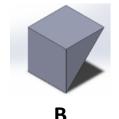
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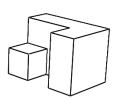
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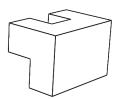




10.

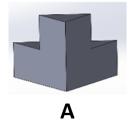


is rotated to →

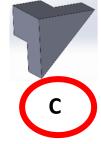




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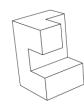




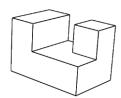


В

11.



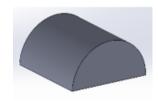
is rotated to →



is rotated to:



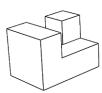
Α



В

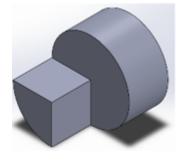


12.



is rotated to →





is rotated to:





В



C