TeachEngineering.org – Free STEM Curriculum for K-12

Spatial Visualization Practice Quiz

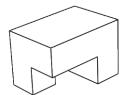
Instructions: This quiz is designed to find out how well you are able to visualize the rotation of three-dimensional objects. For each problem below, circle the correct answer: A, B or C.

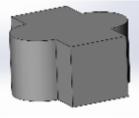
There are 12 questions and the duration of the quiz is 12 minutes.

1.

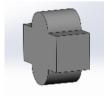


is rotated to ->

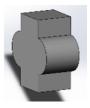




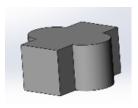
is rotated to:



Α

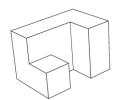


В

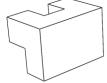


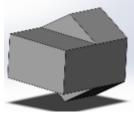
C

2.

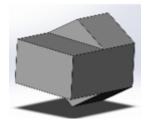


is rotated to ->

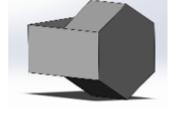




is rotated to:

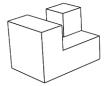


Α



В

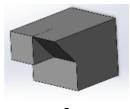




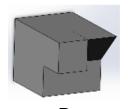
is rotated to →



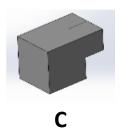
is rotated to:



Α

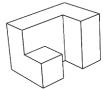


В

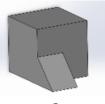




is rotated to →

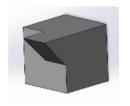


is rotated to:

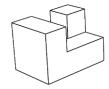




В



5.



is rotated to →





is rotated to:



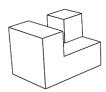
Α



В



6.



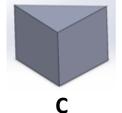
is rotated to →



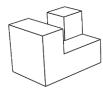


is rotated to:







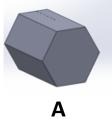


is rotated to →

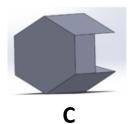




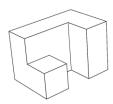
is rotated to:



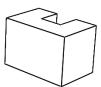




8.

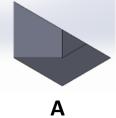


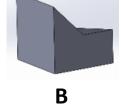
is rotated to →

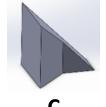




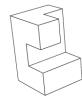
is rotated to:



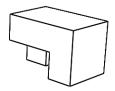




9.



is rotated to →





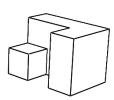
is rotated to:



В

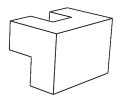


10.



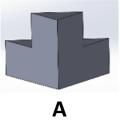
Α

is rotated to →



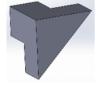


is rotated to:



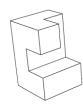


В

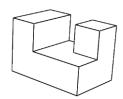


C

11.



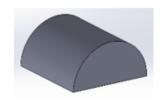
is rotated to →



is rotated to:



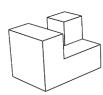
Α



В

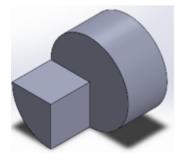


12.



is rotated to →





is rotated to:



Α



В



C