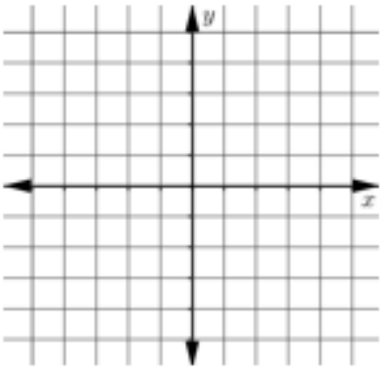
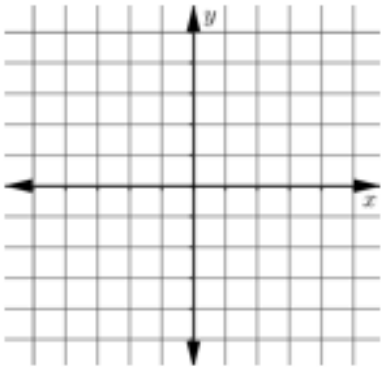
2D-3D and Cross Sections Remediation Practice

Name_____ Block_____

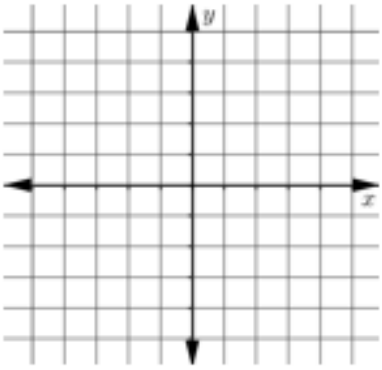
1. Describe in detail the solid formed by rotating a right triangle with vertices at (0, 0), (4, 0), and (0, 2) about the vertical axis. Include the dimensions of the solid in your description.



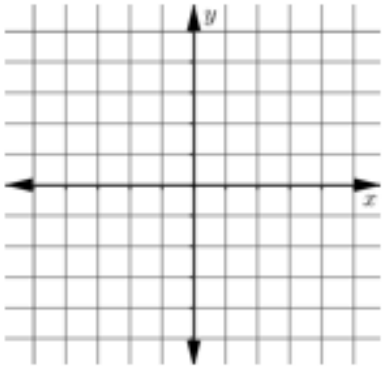
2. Describe in detail the solid formed by rotating a right triangle with vertices at (0, 0), (3, 0), and (0, 2) about the horizontal axis. Include the dimensions of the solid in your description.



3. Describe in detail the solid formed by rotating a figure with vertices (1, 0), (4, 0), (1, 3) and (4, 3) about the *x*-axis. Include the dimensions of the solid in your description.

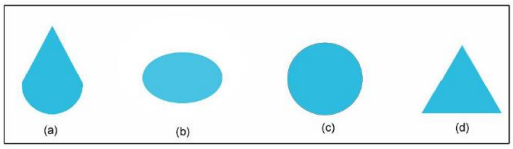


4. Describe in detail the solid formed by rotating a 2 x 3 rectangle with vertices (0, 2), (0, 5), (2, 2) and (4, 5) about the *x*-axis. Include the dimensions of the solid in your description.

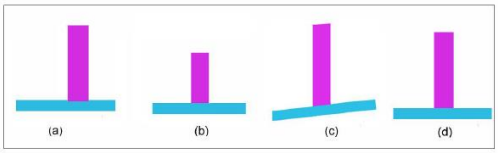


dentify the cross section made by the plane cutting through the object.

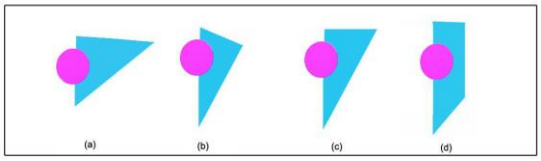
Problem 1



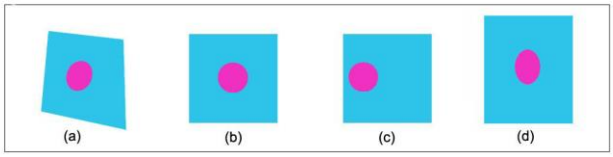
Problem 2



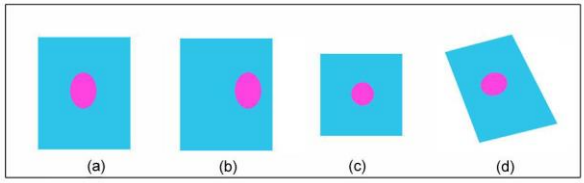
Problem 3



Problem 6



Problem 9



Problem 10