Quiz: HSG.GMD.A.2

1. What is the volume of a hemisphere that has a diameter of 6 millimeters?

   A. 3π cubic millimeters

   B. 6π cubic millimeters

   C. 9π cubic millimeters

   D. 18π cubic millimeters

2. A sphere has a volume of 288π cubic centimeters. What is the area of the cross section through the center of the sphere?

   A. 6π square centimeters

   B. 9π square centimeters

   C. 36π square centimeters

   D. 81π square centimeters

3. Every cross section of a cylinder has an area of 5 square inches. The cylinder has a height of 8 inches. What is the volume of the cylinder?

   A. 3 cubic inches

   B. 13 cubic inches

   C. 26 cubic inches

   D. 40 cubic inches