

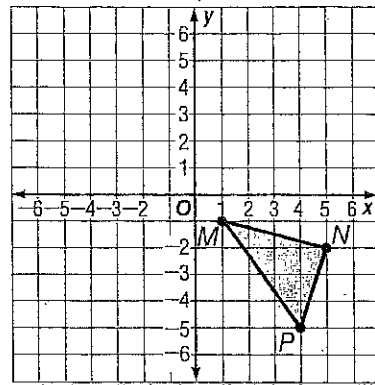
# MCAS MIXER



- 1 Ming drew the triangle on the coordinate plane shown to the right.

If Ming reflected the triangle across the  $y$ -axis, what would be the new coordinates for point  $P'$ ?

- A.  $P'(4, 5)$   
 B.  $P'(4, -5)$   
 C.  $P'(-4, 5)$   
 D.  $P'(-4, -5)$



7.G.6

- 2 Chloe drew a three-dimensional figure that had one vertex and one circular face. Which three-dimensional figure matches Chloe's description?

- A. cone  
 B. cylinder  
 C. sphere  
 D. pyramid

7.G.7

- 3 A rectangular prism has a base of 27 inches, a length of 17 inches, and a height of 8 inches. What is the volume of the prism?

- A. 7,803 cubic inches  
 B. 4,913 cubic inches  
 C. 3,672 cubic inches  
 D. 1,622 cubic inches

7.M.3

- 4 A wax cylindrical candle has a diameter of 8 centimeters and is 22 centimeters tall. How many cubic centimeters of wax was used to create the candle?

- A.  $1,408\pi$  cubic centimeters  
 B.  $352\pi$  cubic centimeters  
 C.  $176\pi$  cubic centimeters  
 D.  $88\pi$  cubic centimeters

7.M.3

- 5 A cheese wheel is in the shape a cylinder with a radius of 10 inches and a height of 6 inches. A wax coating is needed to cover the cheese wheel to keep it fresh. How much area does the wax need to cover?

- A.  $50\pi$  square inches  
 B.  $120\pi$  square inches  
 C.  $200\pi$  square inches  
 D.  $320\pi$  square inches

7.M.3