Volumes of Prisms and Cylinders Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. The base of a prism can be a:
   a. rectangle
   b. circle
   c. triangle
   d. Both a and c

2. Which of these is not a valid prism?
   a. Triangular prism
   b. Rectangular prism
   c. Pentagonal prism
   d. None of these

3. The volume of a prism is given by:
   a. $\text{Area} \times \text{height}$
   b. $\text{Perimeter} \times \text{height}$
   c. $\text{Base area} + \text{height}$
   d. None

4. The volume of a cylinder is given by:
   a. $V = 2\pi r$
   b. $V = \pi r^2 h$
   c. $V = \pi r^2$
   d. None of these

Part B Instructions: Answer the question below.

5. Find the volume of the cylinder given below.

![Diagram of a cylinder with dimensions 6 in. and 12 in.]