

## Problem 1

### Problem

Triangle  $ABC$  is a  $30^\circ - 45^\circ - 105^\circ$  triangle. The side opposite the  $45^\circ$  angle has length 16 . What is the length of the side opposite the  $105^\circ$  angle?

- (A) 8
- (B)  $8\sqrt{3}$
- (C)  $8 + 8\sqrt{3}$
- (D)  $8 + 8\sqrt{6}$
- (E) 9

### Solution

Solution not available.