

Incorrect. Let x equal the length of the line, which is the hypotenuse of a right triangle formed with the right side of the wall and the base of the wall. The base of the wall is the side adjacent to the 25° angle, and its length is 16 feet. Therefore, you can use the cosine function to set up an equation:

$$\cos 25^\circ = \frac{16}{x}$$

Solve this equation for x , use your calculator to find a numerical value, and round off to the nearest tenth.