Correct. The ladder, the wall, and the ground form a right triangle. Let x represent the unknown distance, which is the side adjacent to the 75° angle. You are given the length of the hypotenuse, so you can use cosine to set up an equation:

$$\cos 75^\circ = \frac{x}{12}$$

Solve the equation for x, then use a calculator to find a numerical value:

$$x = 12 \cdot \cos 75^\circ = 12 \cdot 0.2588\ldots = 3.105\ldots \approx 3.1$$