You found the long side and multiplied by 2, but the two sides are not equal. You need to use cosine to find *x* and sine to find *y*:

$$\cos 40^\circ = \frac{x}{100}$$
 and  $\sin 40^\circ = \frac{y}{100}$ 

Solve for x and y, add the results and use a calculator to get a numerical value.