

Refer to a $30^\circ - 60^\circ - 90^\circ$ triangle and use the definition of cosine with the given triangle:

$$\frac{c}{7} = \cos 30^\circ = \frac{\sqrt{3}}{2} \Rightarrow 2c = 7\sqrt{3} \Rightarrow c = \frac{7\sqrt{3}}{2}$$