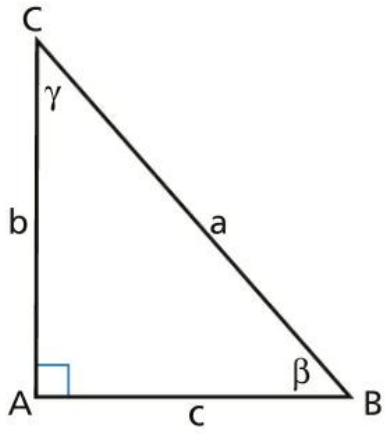
23/5/2018

313 $b = 15;$ $\gamma = 30°.$



$a = ?$ $c = ?$ $\alpha = 90°$ $\beta = ?$

$\beta = 180° - \alpha - \gamma = \boxed{60°}$

$a \cdot \sin\beta = b \Rightarrow a = \frac{b}{\sin\beta} = \frac{15}{\sin 60°} =$

$= \frac{15}{\frac{\sqrt{3}}{2}} = \frac{30}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{10\,30\sqrt{3}}{3} =$

$= \boxed{10\sqrt{3}}$

$c = a \cdot \cos\beta = 10\sqrt{3} \cdot \cos 60° = 10\sqrt{3} \cdot \frac{1}{2} = \boxed{5\sqrt{3}}$