

Test yourself: Trigonometry!

Solutions







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Therefore:

$$\tan \theta = \frac{5}{14}$$
We need so get rid of tan, by
doing the inverse sin to both
sides. (You can't just divide by
tan to get rid of it since it's a trig
function!)

$$\theta = \tan^{-1}\left(\frac{5}{14}\right)$$

$$\theta = 19.65^{\circ}$$
What is the value of y?
34cm v 19cm
We need to use cos(y) since the
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We need to use cos(y) since the
34cm is the Hypotenuse (since
it's the longest side!) and the
19cm length is the Adjacent
(because it's the side that is opposite to the angle we want)
A = QPR = cos⁻¹ $\left(\frac{13^2 + 18^2 - 20^2}{2(13)(18)}\right) = 78.54^{\circ}$
Witte an algebraic expression for the length of BC
 $x + 1 \int_{0}^{0} \int_{0}^{0} \int_{0}^{0} \int_{0}^{1} \int_{0}^{$