

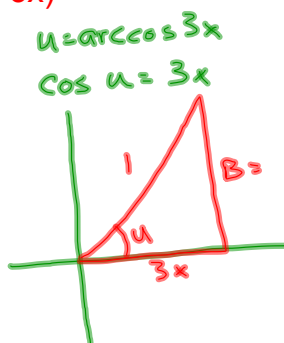
Inverse Trig. Functions - cont.

Write the following as an algebraic expression in 'x':
(Hint: Sketch a right triangle!)

$$\sin(\arccos 3x)$$

$$\sin u = \frac{O}{H}$$

$$= \frac{\sqrt{1-9x^2}}{1}$$



$$B^2 = (1)^2 - (3x)^2$$

$$B^2 = 1 - 9x^2$$

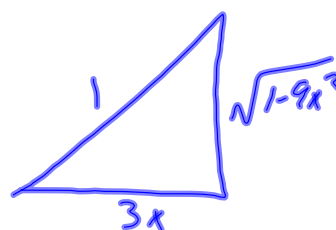
$$B = \sqrt{1-9x^2}$$

$$\cot(\arccos 3x)$$

$$u = \arccos 3x$$

$$\cos u = 3x$$

$$\cot u = \frac{a}{o} = \frac{3x}{\sqrt{1-9x^2}}$$



Mar 13-9:02 PM

Assignment:

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