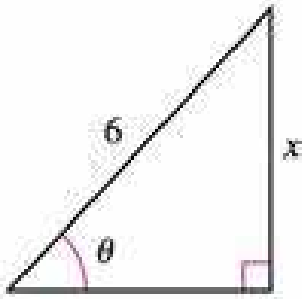


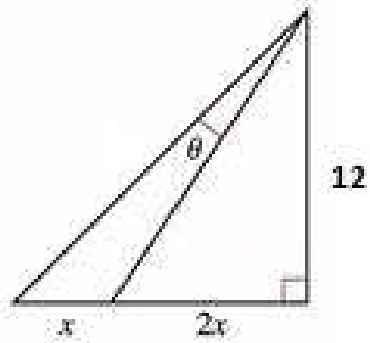
1. As x gets larger and larger without bound, what number is $\tan^{-1}x$ getting closer and closer to?

2. Find a formula for θ in terms of x using the inverse trigonometric functions:

a)



b)



3. Is $(\arccos x)^2 + (\arcsin x)^2 = 1$? Explain why or why not.