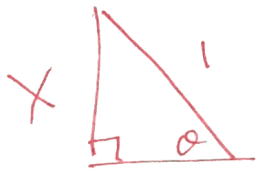
quiz 4
math1117-02
u new haven
Mon, 16 Sept

name: Solution

1 (10 points). Simplify, i.e. find an algebraic expression, for $\cos(\arcsin(x))$.

Let $\theta = \arcsin(x)$. Then

$\sin(\theta) = x = \frac{x}{1}$.



The remaining side is $\sqrt{1-x^2}$

So $\cos(\arcsin(x)) = \cos(\theta)$

$= \sqrt{1-x^2}$.