MA 16010: APPLIED CALCULUS 1   QUIZ 1 (SOLUTIONS)   FRI., AUG. 27, 2021

> Please show **all** your work! Answers without supporting work will not be given credit.
> Write answers in spaces provided.

Name:

1. [**10 points**] Complete the given table. (**Exact Values Only!**)

θ	0	$\dfrac{\pi}{6}$	$\dfrac{\pi}{4}$	$\dfrac{\pi}{3}$	$\dfrac{\pi}{2}$
$\sin\theta$	$\dfrac{0}{2}=0$	$\dfrac{1}{2}$	$\dfrac{\sqrt{2}}{2}$	$\dfrac{\sqrt{3}}{2}$	$\dfrac{\sqrt{4}}{2}=1$
$\cos\theta$	$\dfrac{\sqrt{4}}{2}=1$	$\dfrac{\sqrt{3}}{2}$	$\dfrac{\sqrt{2}}{2}$	$\dfrac{1}{2}$	$\dfrac{0}{2}=0$