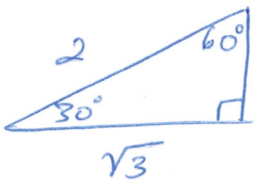
Intellichoice Math

Trigonometry HW

I suggest memorizing the following values.

① $\sin(30°) =$

Hint: "SohCahToa"



$\Longrightarrow \sin 30° = \frac{\text{opposite}}{\text{hypotenuse}} = \_\_\_\_$

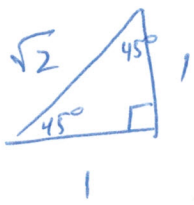
② $\cos(60°) =$

Hint: "SohCahToa"

Use the triangle above.

③ $\tan(45°) =$

Hint: "SohCahToa"



④ $\sin(60°) =$

⑤ $\cos(30°) =$

⑥ $\tan(30°) =$

⑦ $\tan(60°) =$

⑧ $\sin(45°) =$

(9) $\cos(45°) =$

Convert from degrees to radians:

(10) $90° =$ radians

Hint: There are 2π radians in $360°$.

(11) $180° =$ radians

(12) $45° =$ radians

(13) $270° =$ radians

(14) $-720° =$ radians

Convert from radians to degrees:

(15) $3\pi =$

(16) $\frac{\pi}{2} =$

(17) $\frac{4\pi}{3} =$

(18) $-\frac{\pi}{4} =$

(19) $\frac{1}{\pi} =$