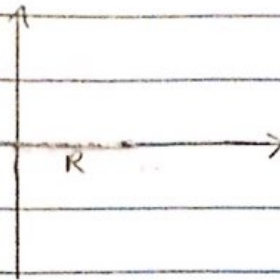


Lecture 1 VALUES FOR SPECIAL ANGLES MAT135 H1

$$\theta = 0$$



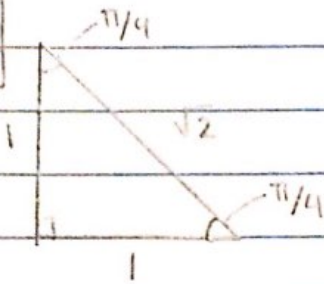
$$y = 0 \quad \sin \theta = 0$$

$$x = R \quad \cos \theta = 1$$

* Similarity for $\pi/2$: $\sin \theta = 1$

EXAMPLE 2 $\cos \theta = 0$

$$\theta = \frac{\pi}{4}$$

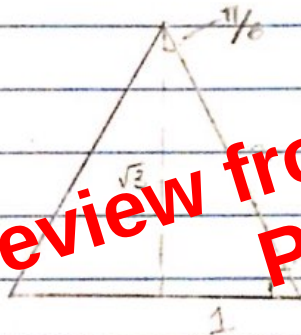


$$\sin \theta = \frac{1}{\sqrt{2}}$$

$$\cos \theta = \frac{1}{\sqrt{2}}$$

EXAMPLE 3

$$\theta = \frac{\pi}{3}, \frac{\pi}{6}$$



$$\sin \frac{\pi}{6} = \frac{1}{2} \quad \sin \frac{\pi}{3} = \frac{\sqrt{3}}{2}$$

$$\cos \frac{\pi}{3} = \frac{1}{2} \quad \cos \frac{\pi}{6} = \frac{\sqrt{3}}{2}$$

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Page 2 of 3