Name _____

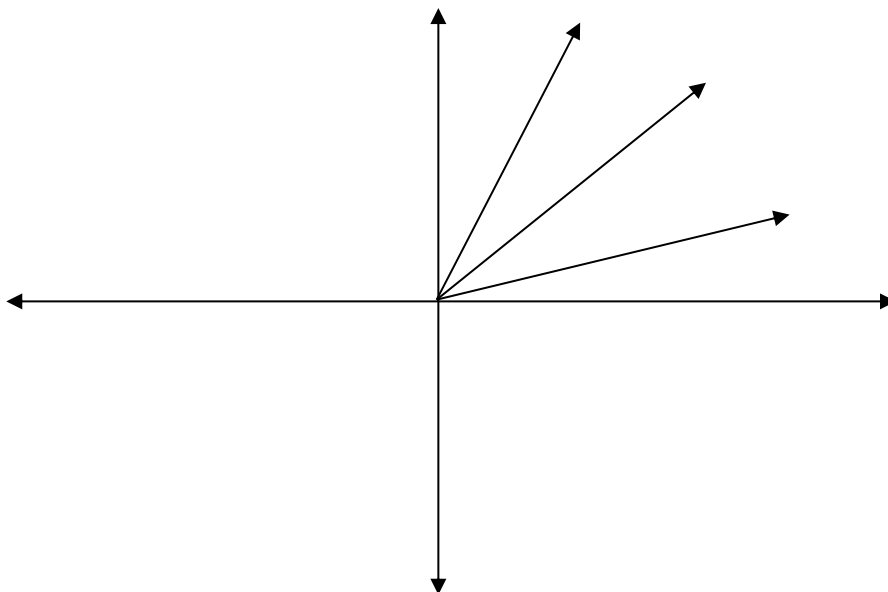## **Trigonometry**

<u>Unit Circle</u> $\sin\theta = $ _____ $\cos\theta=$ _____ $\tan\theta=$ _____
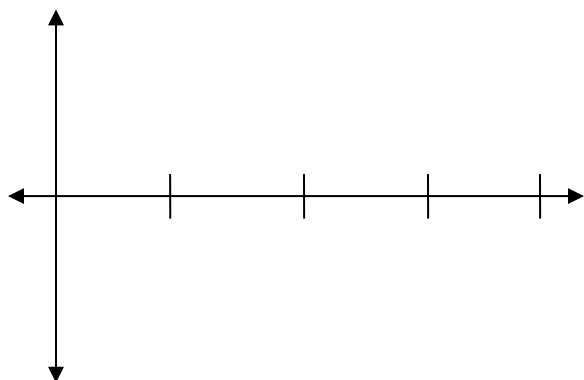
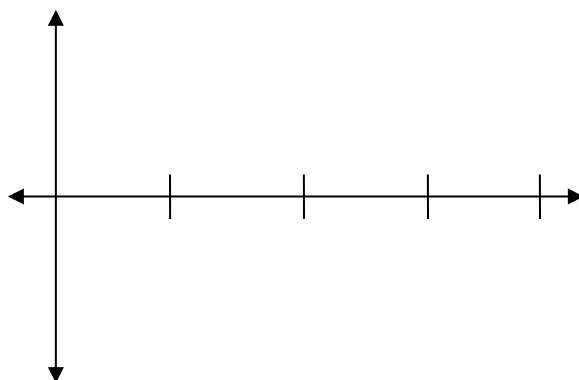## **<u>Radian Angle Measures</u>**

Reference Angle	Quad I	Quad II	Quad III	Quad IV
30^0	$\dfrac{\pi}{6}$			
45^0			$\dfrac{5\pi}{4}$	
60^0		$\dfrac{2\pi}{3}$		

<u>Sine and Cosine Graphs</u> (on the interval $[0, 2\pi)$)

y = sin x   y = cos x

Reciprocal Identities

1) $\sin x =$ _____   2) $\cos x =$ _____   3) $\tan x =$ _____

4) $\csc x =$ _____   5) $\sec x =$ _____   6) $\cot x =$ _____

Quotient Identities

1) $\tan x =$ _____   2) $\cot x =$ _____

Pythagorean Identities

1) $\sin^2 x + \cos^2 x =$ _____   2) $1 + \tan^2 x =$ _____   3) $1 + \cot^2 x =$ _____

$1 - \cos^2 x =$ _____ $\sec^2 x - 1 =$ _____ $\csc^2 x - 1 =$ _____

$1 - \sin^2 x =$ _____ $\sec^2 x - \tan^2 x =$ _____ $\csc^2 x - \cot^2 x =$ _____