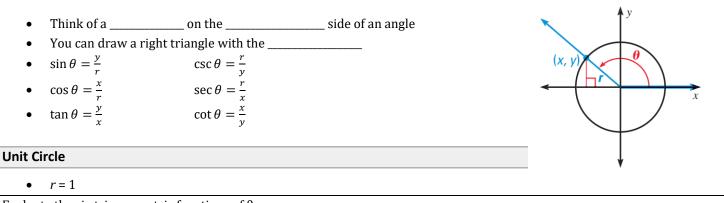
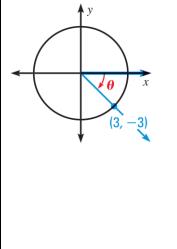
Algebra 2 10-03

Algebra 2

10-03 Trigonometric Functions of Any Angle



Evaluate the six trigonometric functions of $\boldsymbol{\theta}.$



Quadrantal Angles

Evaluate the six trigonometric functions of θ . $\theta = 180^{\circ}$

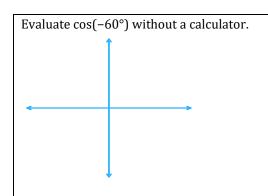
Reference Angle

- Angle between ______ side and ______
- Has the same values for trig functions as ______ quadrant angles
- You just have to add the ______ signs

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Algebra 2 10-03		Name:
Sketch the angle. Then find its reference angle.		
150°	$\frac{23\pi}{4}$	
↑		
← → →	<	→



sin(-150°)		
1		
← →		
Ļ		

Estimate the horizontal distance traveled by a Red Kangaroo who jumps at an angle of 8° and with an initial speed of 53 feet per second (35 mph).

542 #1, 3, 5, 7, 9, 11, 13, 15, 17, 21, 25, 29, 33, 35, 41, 51, 53, 57, 58, 59 = 20