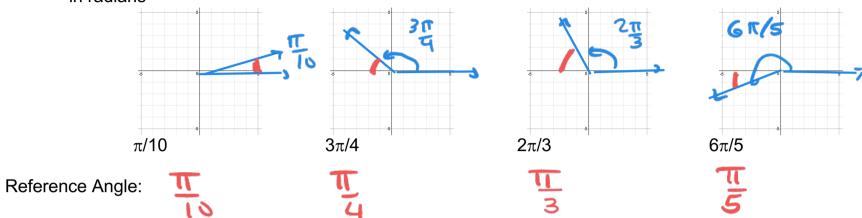
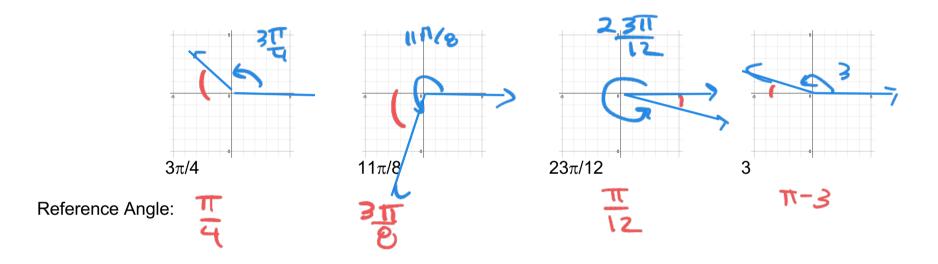
Angle Worksheet 2: Locating angles and REFERENCE ANGLES - radians

Reviewing solutions to Angle Worksheet 1 should help on this worksheet.

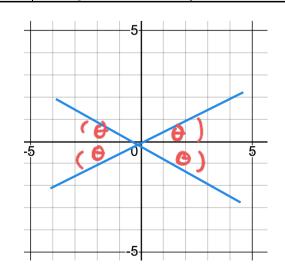
(1) Make a rough sketch of each of the following angles in standard position and give the reference angle in radians



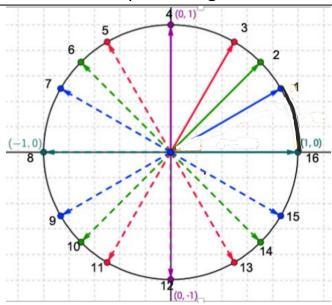


(2) For each of the following acute angles, find 4 angles, one in each quadrant, having the given angle as a reference angle. Answers should be given in radians

	Q1	Q2	Q3	Q4
π/7	$\pi_{/7}$	611/7	811/7	1311/7
3π/8	3π/8	5 T/8	un/8	(3T/8
5π/12	5π/12	711/12	ואת/וב	1911/12
1		$\pi - \iota$	THI	$2\pi - 1$
heta radians	0	$\pi - \Theta$	$\pi + \Theta$	2π-0



Angle Worksheet 2: Getting Familiar with Special Angles - Radians



Given that all the "blue angles" have a reference angle of $\pi/6$ radians, write the angle measure for each of the blue angles.

1) _______ (note: the angle numbers are just for reference on this worksheet)

7) _______ $5\pi/6$ 9) _______ $7\pi/6$

Given that all the "green angles" all have a reference angle of $\pi/4$ radians, write the angle measure in radians for each of the green angles.

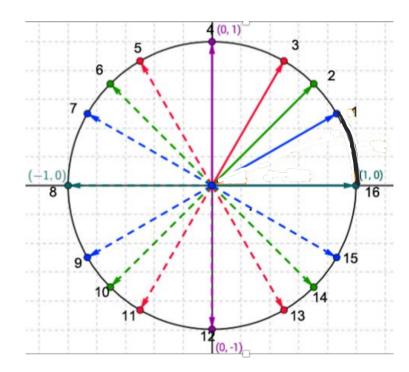
Given that all the "red angles" have a reference angle of $\pi/3$ radians, write the angle measure in radians for each of the red angles.

(worksheet cont'd next page)

15)

(worksheet cont'd)

The "blue angles" all have a reference angle of $\pi/6$ radians. (see website for colors) The "green angles" all have a reference angle of $\pi/4$ radians. . The "red angles" all have a reference angle of $\pi/3$ radians.



Locate the following angle and write the corresponding number for each of the following angles. (You need to get quick at this)

π/6		5π/6	7	
3π/4	6	_ 4π/3	11	
3π/2	12	-7π/6	7	
-7π /4	2	2π/3	11	