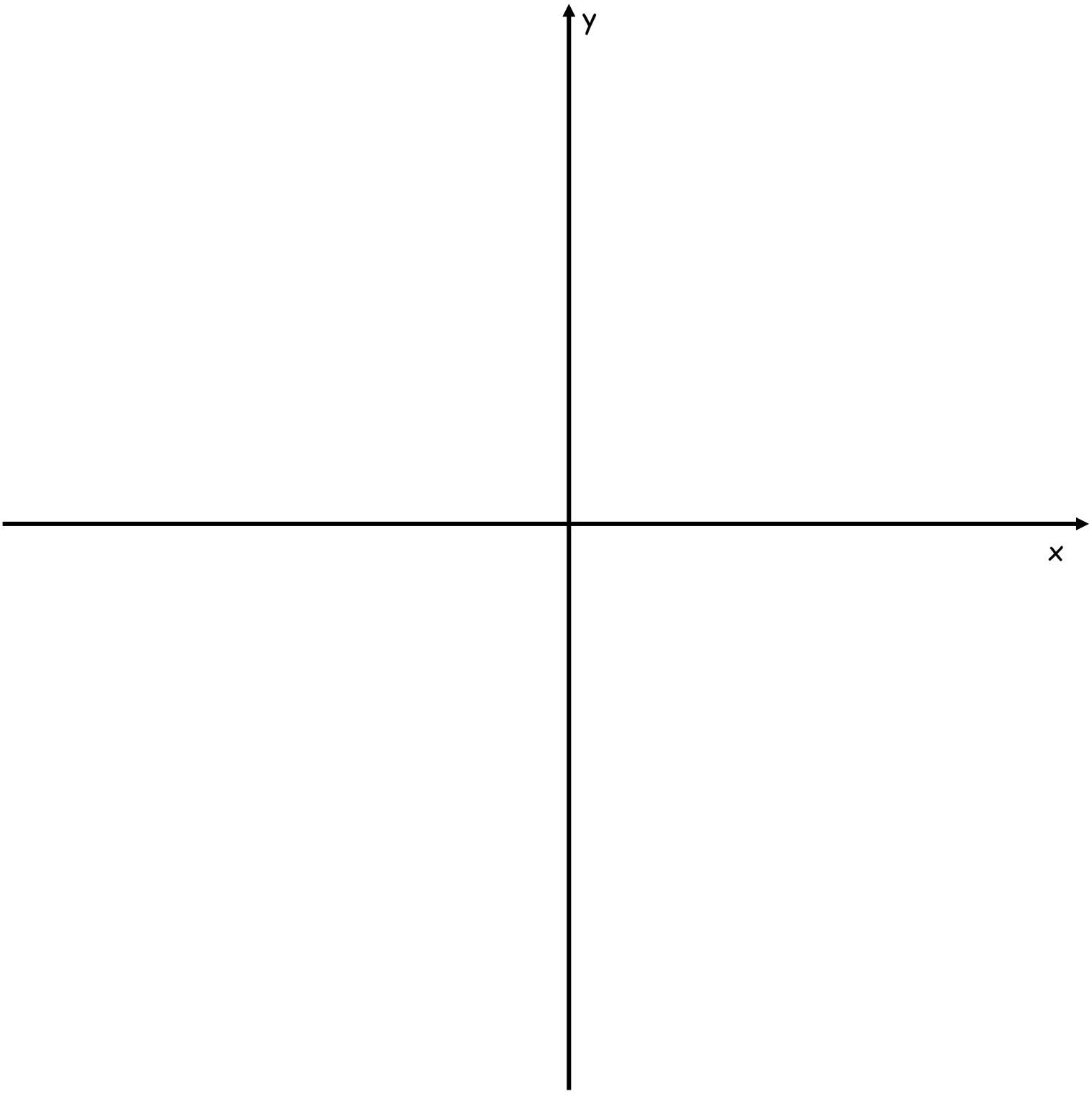
Math 112 / First Day Activity: Identifying the "Standard" Angles / Name:_____

32pts / 16 pts

- Use your "patty" paper to mark off the angles you derived from the folding activity. Line up the center of your folds on the patty paper with the origin on the given x-y coordinate system.
- Using the straight edge on the protractor, draw and identify the standard angles, starting with 0 degrees equals 0 radians on the positive x-axis through one full revolution.
- Verify the measures of the standard angles with your protractor. How well did you fold your paper to create the standard angles? Circle one of the following:

not at all **kind of** **pretty well** **very, very, well** **perfectly**



Fill in the first three columns of the following table. We will fill in the last three columns next week as another in-class activity. You are creating a reference sheet here that you will be able to use for your homework, projects and in-class activities. You will not be able to use it on Quizzes and Tests.

What part of a full revolution as an exact fraction:	θ (the angle expressed in degrees, use degree symbol)	θ (the angle expressed in exact radians in terms of π)	$\sin(\theta)$ (in exact form)	$\cos(\theta)$ (in exact form)	$\tan(\theta)$ (in exact form)
0					
	30°				
		$\frac{\pi}{4}$			
$\frac{1}{6}$					
	90°				
		$\frac{2\pi}{3}$			
$\frac{3}{8}$					
	150°				
		π			
$\frac{7}{12}$					
	225°				
		$\frac{4\pi}{3}$			
$\frac{3}{4}$					
	300°				
		$\frac{7\pi}{4}$			
$\frac{11}{12}$					
	360°				