

Name _____

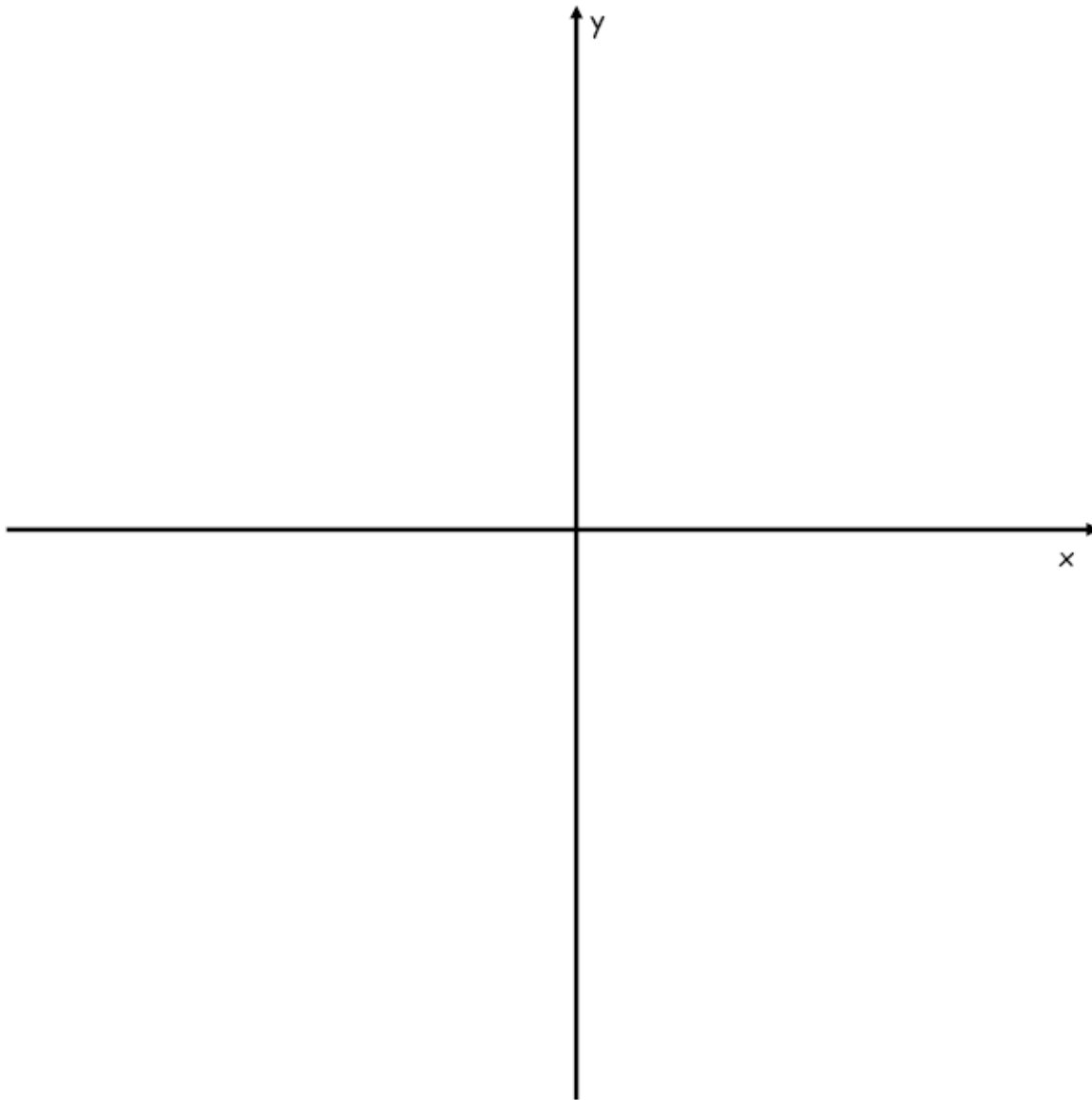
Identifying the Standard Angles

Directions:

- Using your protractor, draw and identify the standard angles, starting with 0 degrees (0 radians) on the positive x -axis through one full revolution.
- Lay your folded “patty” paper on top of your diagram. 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 well perfectly

The part of the activity you're doing today is worth 32 points.



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. That part will be worth 16 points. You will be able to use this as a reference sheet for homework, projects, and in-class activities (but not quizzes or tests).

Fraction of a full revolution	θ in degrees (use $^\circ$ symbol)	θ in radians (express in terms of π)	$\sin(\theta)$ in exact form	$\cos(\theta)$ in exact form	$\tan(\theta)$ in exact form
0	0°	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°				