

9-3 Coordinate Values in the Unit Circle

Name: _____

Time> Start: _____ Finish: _____ Total Time = _____

Fill in the chart below. Draw a unit circle to the right to help you.

Degree	Radian Measurement	Point location
0°		
30°		
45°		
60°		
90°		
120°		
135°		
150°		
180°		
210°		
225°		
240°		
270°		
300°		
315°		
330°		
360°		

SAT Questions

_____ 2. Four points lie on a circle. How many different triangles can be drawn with three of these points as vertices?

_____ 3. If $x + y = 7$ and $xy = 4$, then find the value of $x^2 + y^2$.
(You should manipulate the equation instead of trying to solve for single variable.)

_____ 4. Consider 8, 13, 21 . . .

After the first two terms in the sequence above, each subsequent term is the sum of the two immediately preceding numbers. For example, $21 = 13 + 8$. How many of the first 60 terms of this sequence are odd?

- A. 20
- B. 30
- C. 33
- D. 40
- E. 44