Precalculus S.Hogan
Reading the Unit Circle Worksheet

Directions: Use the unit circle to identify angles (theta) at which the each statement is true. Give the angle measures in degrees. [0^o, 360^o]

	Statement	Angle(s)	Points on the unit circle and any work that you had to do
1	$\sin\theta = \frac{1}{2}$		
2	$\cos\theta = \frac{-1}{2}$		
3	$\sin\theta = \frac{\sqrt{3}}{2}$		
4	$\cos\theta = \frac{-\sqrt{2}}{2}$		
5	$\sin\theta = 0$		
6	$\cos\theta = -1$		
7	$\tan\theta = 0$		
8	$\cot\theta =$ *undefined*		
9	$\csc\theta = -\sqrt{2}$		
10	$\sec\theta = 2$		

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Reading the Unit Circle Worksheet

Directions: Use the unit circle to identify angles (theta) at which the each statement is true. Give the angle measures in radians. [0, 2pi]

	Statement	Angle(s)	Points on the unit circle and any work that you had to do
11	$\sin\theta = \frac{-1}{2}$		
12	$\cos\theta = \frac{\sqrt{3}}{2}$		
13	$\sin\theta = \frac{\sqrt{2}}{2}$		
14	$\cos\theta = 0$		
15	$\sin\theta = -1$		
16	$\cos\theta = \frac{1}{2}$		
17	$\csc\theta = \frac{2\sqrt{3}}{3}$		
18	$\sec\theta = \textit{undefined}$		
19	$\tan\theta = 1$		
20	$\cot\theta = -\sqrt{3}$		