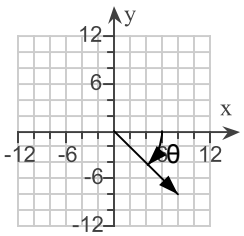
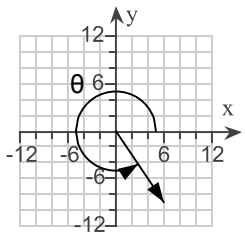
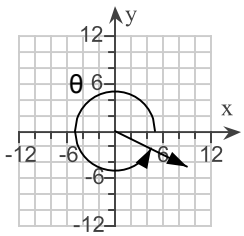
Student: _____	**Instructor:** Fred Khoury	**Assignment:** Quiz Sec 2.2
Date: _____	**Course:** Math 2312-1000 Precalculus (Fall - 2015)	
Time: _____	**Book:** Lial: College Algebra and Trigonometry, 4e	

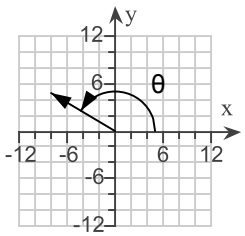
1. Sketch an angle θ in standard position such that θ has the smallest positive measure and the given point is on the terminal side of θ.

$(4, -2)$

A. 

B. 

C. 

D. 

2. Suppose that θ is in standard position and the given point is on the terminal side of θ. Give the exact value of the indicated trig function for θ.

$(15,20)$; Find **cos** (θ).

A. $\frac{3}{4}$

B. $\frac{4}{3}$

C. $\frac{4}{5}$

D. $\frac{3}{5}$

3. Suppose that θ is in standard position and the given point is on the terminal side of θ. Give the exact value of the indicated trig function for θ.

$(-15,36)$; Find **sin** (θ).

A. $-\frac{5}{13}$

B. $\frac{12}{13}$

C. $\frac{5}{13}$

D. $-\frac{12}{13}$

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4. Suppose that θ is in standard position and the given point is on the terminal side of θ. Give the exact value of the indicated trig function for θ.

$(5, -3)$; Find **tan** (θ).

A. $-\frac{3}{5}$

B. $-\frac{5}{3}$

C. $\frac{5}{6}$

D. $-\frac{1}{2}$

5. Evaluate.

cos $(-180°)$

A. 1

B. 0

C. -1

D. Undefined

6. Evaluate.

cot $(-90°)$

A. 0

B. -1

C. Undefined

D. $\frac{\sqrt{2}}{2}$

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7. Evaluate.

$$\textbf{cot}\,(270°) + 4\,\textbf{cos}\,(180°) + 8\,\textbf{sec}^{\,2}(0°)$$

A. 9

B. -4

C. 4

D. 12

8. Use the appropriate identity to find the indicated function value. Rationalize the denominator, if applicable.

$$\textbf{csc}\,(\theta),\ \text{if}\ \textbf{sin}\,(\theta) = \frac{1}{7}$$

A. $-\frac{1}{7}$

B. $\frac{1}{7}$

C. 7

D. -7

9. Use the appropriate identity to find the indicated function value. Rationalize the denominator, if applicable.

$$\textbf{tan}\,(\theta),\ \text{if}\ \textbf{cot}\,(\theta) = -\frac{6}{7}$$

A. $-\frac{6}{7}$

B. $\frac{7}{6}$

C. $\frac{13}{7}$

D. $-\frac{7}{6}$

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10. Use the appropriate identity to find the indicated function value.

cos (θ), if **sec** $(\theta) = -7$

- A. $\frac{1}{7}$
- B. $\frac{1}{6}$
- C. $-\frac{1}{7}$
- D. $-\frac{1}{6}$

11. Use the fundamental identities to find the value of the trigonometric function.

Find **tan** (θ) if **sin** $(\theta) = \frac{3}{4}$ and θ is in quadrant II.

- A. $-\frac{3}{2}$
- B. $-\frac{\sqrt{7}}{9}$
- C. $-\frac{3\sqrt{7}}{7}$
- D. $\frac{5}{4}$

12. Use the fundamental identities to find the value of the trigonometric function.

Find **sin** (θ) if **cos** $(\theta) = \frac{2}{3}$ and θ is in quadrant IV.

A. $-\frac{\sqrt{5}}{3}$

B. $-\frac{3}{2}$

C. $\frac{3\sqrt{7}}{7}$

D. $\frac{5}{4}$

13. Use the fundamental identities to find the value of the trigonometric function.

Find **cot** (θ) if **tan** $(\theta) = \frac{\sqrt{7}}{3}$ and θ is in quadrant III.

A. $\frac{5}{4}$

B. $-\frac{3}{2}$

C. $-\frac{\sqrt{7}}{9}$

D. $\frac{3\sqrt{7}}{7}$