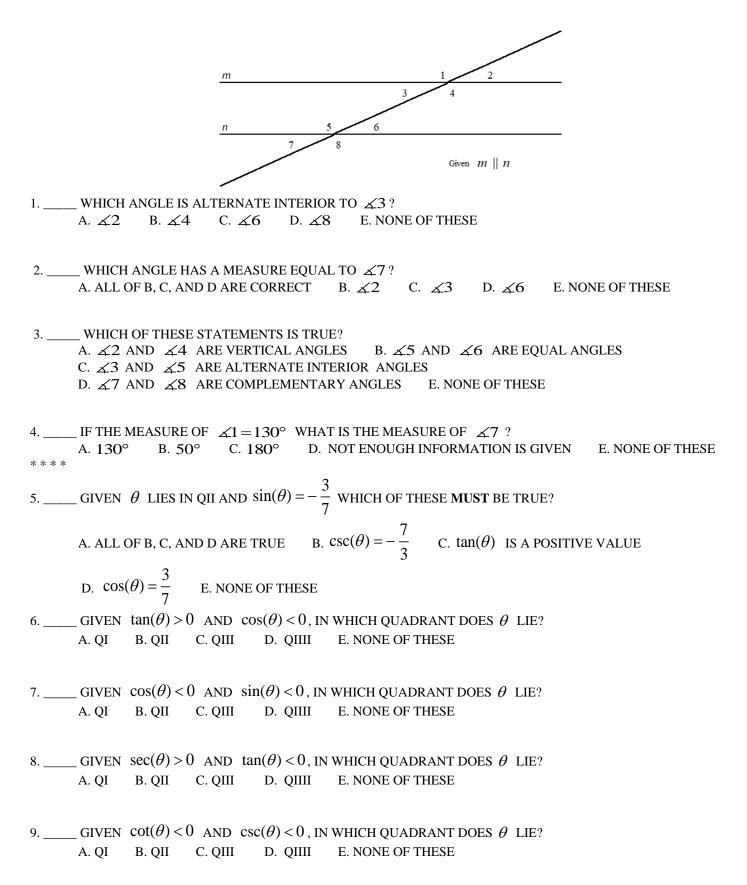
I. MULTIPLE CHOICE: WRITE YOUR RESPONSE IN THE SPACE PROVIDED ON THE QUIZ. *** USE ONLY CAPITAL LETTERS. ***

FOR ITEMS #1 - #4 USE THE GIVEN PICTURE. ASSUME LINES *m* AND *n* ARE PARALLEL.

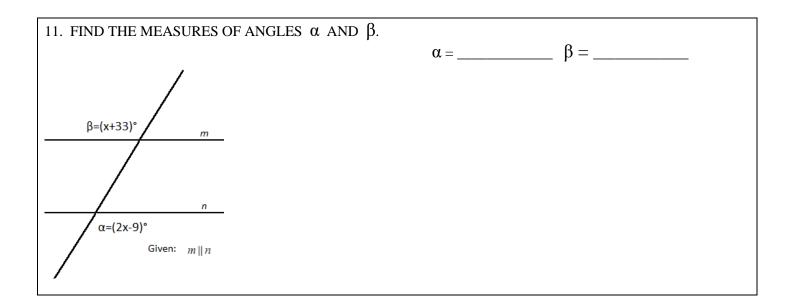


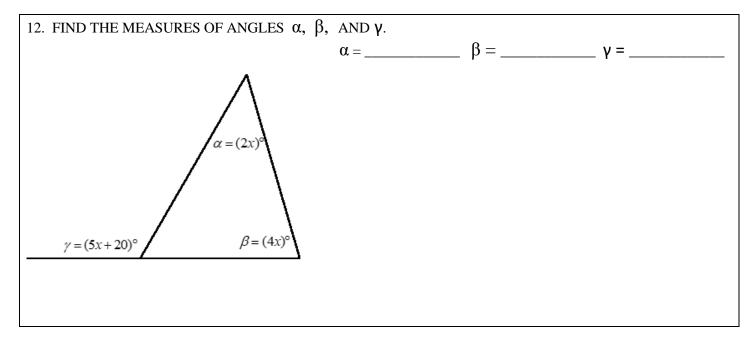
* *

10. _____ WHICH OF THE FOLLOWING CONTAINS NO ERRORS?

A.
$$\sec(\theta) = \frac{x}{r}$$
 AND $\tan(\theta) = \frac{y}{x}$ B. $\cos(\theta) = \frac{y}{r}$ AND $\tan(\theta) = \frac{y}{x}$
C. $\sec(\theta) = \frac{r}{x}$ AND $\cot(\theta) = \frac{x}{y}$ D. $\sin(\theta) = \frac{x}{r}$ AND $\csc(\theta) = \frac{r}{x}$ E. NONE OF THESE

II. FOR EACH GIVEN FIGURE DETERMINE THE MEASURES IN DEGREES OF THE ANGLES YOU ARE BEING ASKED TO FIND. NOTE THAT FOR ITEM #11 PARALLEL LINES ARE GIVEN AS INDICATED. SYMBOLS: α REPRESENTS "alpha" β REPRESENTS "beta" γ REPRESENTS "gamma"





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III. USE THE GIVEN INFORMATION TO DETERMINE THE VALUES OF THE INDICATED TRIG FUNCTIONS. SHOW ALL WORK YOU WANT CONSIDERED FOR CREDIT IN THE SPACE PROVIDED. IF YOU DO NOT SHOW YOUR WORK IN A NEAT AND ORDERLY FASHION, YOU FORFEIT YOUR CLAIM TO ANY CREDIT.

13. GIVEN: θ is an angle in standard positon and the terminal side of θ passes through the point P(2,-5).

 $\sin(\theta) = _$ $\csc(\theta) = _$

 $\cos(\theta) = _$ $\sec(\theta) = _$

 $\tan(\theta) = _ \qquad \cot(\theta) = _$

14. GIVEN: θ is an angle in standard positon and the terminal side of θ passes through the point $P(-\sqrt{7},3)$.

 $\sin(\theta) =$ _____

 $\cos(\theta) =$ _____

 $\tan(\theta) =$ _____

IIII. USE THE x - y - r DEFINITIONS TO VERIFY EACH IDENTITY:

15.
$$\cos(\theta) = \frac{1}{\sec(\theta)}$$
 16. $\tan(\theta) = \frac{\sec(\theta)}{\csc(\theta)}$ 17. $\sin(\theta) = \frac{\tan(\theta)}{\sec(\theta)}$