Name _____ Date _____

MAT1275/CO   Coordinate Trigonometry
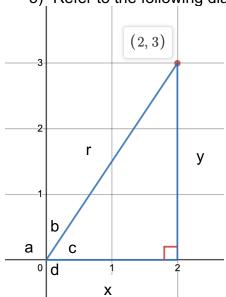
Watch these 2 videos: https://youtu.be/eYOA6akNjKc?si=TQI0qL_qnieAVH7A
                     https://youtu.be/50BLDkLP2Is?si=hkLuptWNRHELN1nq

1) In which quadrants does the sin function produce a negative answer?

2) In which quadrants does the cos function produce a negative answer?

3) In which quadrants does the tan function produce a negative answer?

4) In which quadrants does the csc function produce a positive answer?

5) Refer to the following diagram:

a) The reference angle is located at: (circle one)

   a. a   b. b   c. c   d. d   e. Ref angle?

b) What is the length of x?

c) What is the length of y?

d) What is the length of r?

6) If $cos(\theta) = -\frac{7}{10}$ and $sin(\theta) > 0$, in which quadrant does θ belong?