VALENCIA COMMUNITY COLLEGE

**College Trigonometry Name:**

**Quiz- 2 Date:**

**\*\*\*\*\*\*\* Show all your work for full credit \*\*\*\*\*\*\***

1) Convert the following degree measures to radian measures. Express your answer in exact form (for example; 30⁰ = $\frac{π}{6}$ )

1. 210⁰ b) 315⁰

2) Convert the following radian measures to degree measures. (two decimal places)

a) 2 rad b) 3.14 rad

3) In a circle of radius 10 cm, find the length of the arc subtended by the central angle of;

a) 1.5 rad b) 150⁰

4) Find the exact value of each of the other five trigonometric functions for the angle x (without finding x), given the indicated information.

a) cos x = $\frac{12}{13}$ ( x is a quadrant 1 angle)

b) tan x = $\frac{4}{3}$ ( x is a quadrant 3 angle)