

Name: _____

This quiz covers: 5.1.

Directions: Complete all question and **show all applicable work.** Partial credit will be given. All questions are equally weighted.

1.) Draw the following angles in standard position:

a.) 40°

b.) $\frac{\pi}{2}$

c.) -120°

d.) $-\frac{\pi}{3}$

2.) If an analog clock displays 9:05, what is the angle between the hands?

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3.) Macmillan Hall is located at approximately $42^{\circ}44'34''$ north of the equator and $76^{\circ}41'46''$ west of the Prime Meridian. Express these coordinates in degrees only. To maintain reasonable accuracy, round to the nearest ten-thousandth. (ex. 12.3456°)