

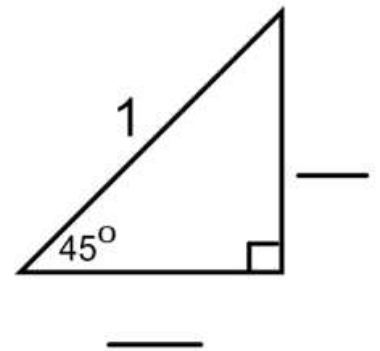
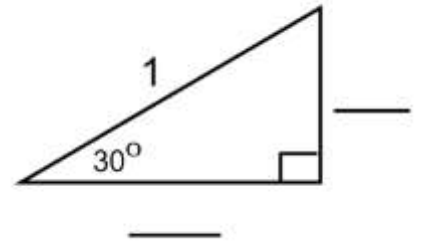
Right Triangle Trig & Unit Circle Quiz

Name _____

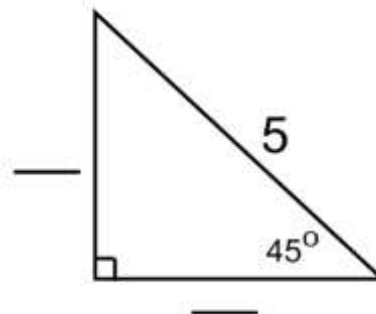
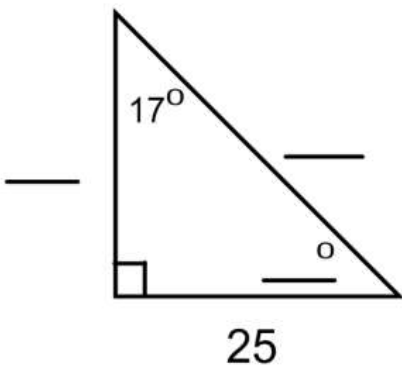
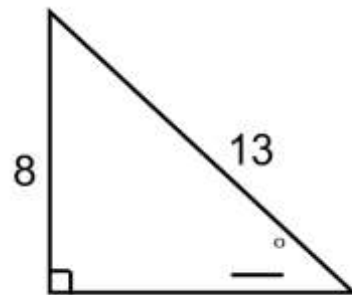
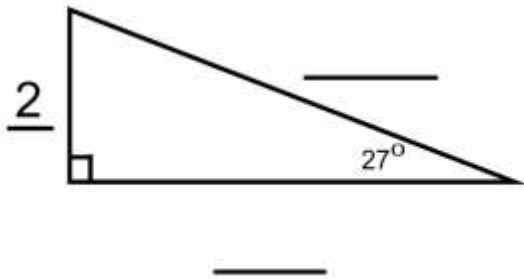
Date: _____ Pd: _____

Construct the first quadrant of the unit circle and label the 30, 60, and 90 degree angles with the correct coordinates.

Find the value of the each side (3 pts. each)

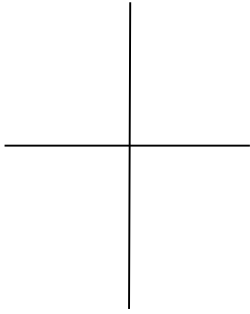


Find the all the side lengths and/or angle measures for each triangle below (5 points each)



Plot the following points , then find the sin, cos, and tan. (9 pts. Each)

(- 5, 7)

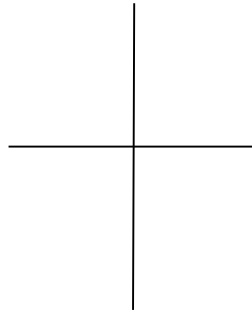


Sin θ = ___

Cos θ = ___

Tan θ = ___

(3, - 10)

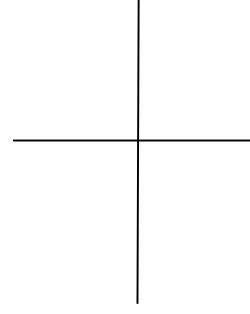


Sin θ = ___

Cos θ = ___

Tan θ = ___

(2, 1)



Sin θ = ___

Cos θ = ___

Tan θ = ___

Name the reference angle to each given angle measure. (5 points each)

318⁰

142⁰

-215⁰

Name the conterminal angle of the given angle that is between 0⁰ and 360⁰. (5 points each)

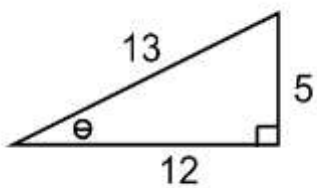
745⁰

-612⁰

460⁰

Find the mistakes in the problem below. Re-work the problem and write the correct answer(s).

Write the trig ratios for the triangle below. (6 points)



$$\sin \theta = \frac{5}{12}$$

$$\cos \theta = \frac{5}{13}$$

$$\tan \theta = \frac{12}{13}$$