

Classwork 15
Precalculus MTH 130
Instructor: Abhijit Champanerkar

Name: _____

1. Solve the following triangle.

a. (SSS) $a = 20, b = 25, c = 22$.

b. (SAS) $b = 60, c = 30, \angle(A) = 70^\circ$.

2. Two straight roads diverge at an angle of 65° . Two cars leave the intersection at 2:00 PM, one travelling at 50 mi/hr and the other at 30 mi/hr. How far apart are the cars at 2:30 PM ?

EXTRA CREDIT (5 points on the Exam 3)

Three circles of radii 4, 5, and 6 cm are mutually tangent as shown. Find the shaded area enclosed between the circles.

