

August 4, 2003

Show all work for credit. Leave all answers as exact answers unless otherwise stated.

1. Solve the following triangle:

Let $C = 39^\circ$, $c = 16$, and $a = 20$.

2. Convert the following degree measures into radian measures. Give the **exact** value.

(a) 64°

(b) 150°

3. Give the area of a sector if the central angle measures $\frac{\pi}{16}$ and the radius is 5.