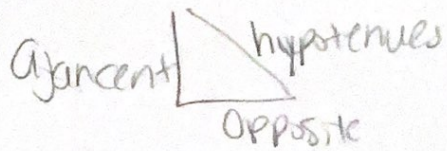
S $\frac{O}{H}$ C $\frac{A}{H}$ T $\frac{O}{A}$



HW #4 Shakema Williams

1.) $\frac{150\pi}{180} = 5/6\pi$ D

2.) $\frac{\text{Theta}}{360}$ $\frac{25°}{360} \times \pi \times 3^2 = 1.963 cm^2$ B

3.) $\sin p = \frac{7}{25}$ $\cos p \frac{24}{25}$ $\tan p \frac{7}{24}$

$\csc \frac{1}{\frac{25}{7}}$ $\sec \frac{1}{\frac{25}{24}}$ $\cot \frac{1}{\frac{24}{7}}$ → 1 over each csc, sec, cot

4. D

5. $\sqrt{7^2 + \sqrt{15^2}} = 22$

$\sin \theta = \frac{7}{8}$ $\cos \theta = \frac{\sqrt{15}}{8}$ B

6. $\tan 70° - \frac{\cos 20°}{\cos 70°} = 0$ C

7. D $\csc = 2$ $\csc \theta + \sec(90° - \theta) = \sec 90° - \theta) = 2$

$(90° - \theta) = \csc = \theta$ if $\csc = 2$ $\sec 90° - \theta = \csc \theta = 2$

8. $\sec 30° - \sin 45°$ C

$\frac{2\sqrt{3}}{3} - \frac{\sqrt{2}}{2}$

.44

9. $\sin^2 60° - \cos^2 45° - \sin^2 30°$

0

10. $\sin 20° \frac{160}{x}$ $x = 160 / \sin 20$

$x = 467.8$ ft