

<p>1. Which angle represents the <i>greatest</i> amount of rotation?</p> <p>(1) 105° (2) $\frac{3\pi}{5}$ radians</p> <p>(3) 1.8 radians</p> <p>(4) a central angle that intercepts a $\frac{3\pi}{4}$ - inch arc in a circle whose radius is 1.5 in.</p>	<p>2. Find the radian measure of an angle of 106°.</p>	<p>1. _____</p> <p>2. _____</p>
<p>3. A wheel whose radius measures 10 inches is rotated. If a point on the circumference of the wheel moves a distance of 5 feet, what is the radian measure of the angle through which the point travels?</p>		<p>3. _____</p>
<p>4. If $\tan A = -\frac{3}{4}$ and $\cos A < 0$, find the exact value of</p> <p>a. $\sec A$ b. $\cos A$ c. $\sin A$ d. $\csc A$ e. $\cot A$</p>		<p>4. _____</p>
<p>5. If $\csc A = -\frac{\sqrt{10}}{3}$ and $\cot A < 0$, find the exact value of</p> <p>a. $\sec A$ b. $\cos A$ c. $\sin A$ d. $\tan A$ e. $\cot A$</p>		<p>5. _____</p>
<p>6. If $\sin \theta > 0$ and $\sec \theta < 0$, in which quadrant does the terminal side of angle θ lie?</p> <p>(1) I (3) III (2) II (4) IV</p>	<p>7. If $\log_a 3 = m$ and $\log_a 5 = p$, which of the following could represent $\log_a 75$?</p> <p>(1) $m + p^2$ (3) $m + 2p$ (2) $2mp$ (4) mp^2</p>	<p>6. _____</p> <p>7. _____</p>