

Math 002 Quiz 3

(B)

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**Q.1:** If  $A$  is the complementay angle of  $65^{\circ}47'35''$  and  $B$  is the suplementary angle of  $10^{\circ}100'50''$ . Find the sum  $A + B$ .

**Q.2:** Find length of the arc subtended by a central angle of  $60^{\circ}$  in a circle of radius 9 *inches*. Also find the area of the sector.

**Q.3:** Find the value of the trigonometric expression  $\sin 150^{\circ} \tan 240^{\circ} + \sec \left(\frac{11\pi}{3}\right) \cot \left(\frac{7\pi}{8}\right)$ .