

































$$Ans1 = \left[ \begin{array}{l} .1 = [ ] \quad .2 = \left[ \frac{\pi}{3} \right] \\ .3 = \left[ \frac{\pi}{6} \right] \quad .4 = \left[ \frac{\pi}{6} \right] \end{array} \right], \quad \left[ \begin{array}{l} M @ \\ a M \\ t U \\ h T \\ :) :) \end{array} \right]$$

$$Ans2 = \left[ \begin{array}{l} .1 = \left[ \frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2} \right] \quad .2 = \left[ \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6} \right] \\ .3 = \left[ 0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi \right] \quad .4 = \left[ \frac{\pi}{4} \right] \\ .5 = \left[ \frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2} \right] \quad .6 = \left[ \frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6} \right] \end{array} \right]$$

$$Ans3 = \left[ \begin{array}{l} .1 = [30^\circ] \quad .2 = [60^\circ] \\ .3 = [0, 45^\circ] \quad .4 = [0] \end{array} \right], \quad \left[ \begin{array}{l} M @ \\ a M \\ t U \\ h T \end{array} \right]$$

$$Ans4 = \left[ \begin{array}{l} .1 = [90^\circ, 210^\circ, 330^\circ] \quad .2 = [0, 60^\circ, 300^\circ] \\ .3 = [90^\circ, 120^\circ, 240^\circ, 270^\circ] \quad .4 = [315^\circ] \\ .5 = [0, 60^\circ, 180^\circ, 300^\circ] \quad .6 = [60^\circ, 90^\circ, 120^\circ, 240^\circ, 270^\circ, 300^\circ] \end{array} \right]$$

$$Ans5 = \left[ \begin{array}{l} .1 = \left[ \frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi \right] \quad .2 = \left[ \frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi \right] \\ .3 = \left[ 2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi \right] \quad .4 = \left[ \frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi \right] \end{array} \right]$$























$$\begin{aligned} \text{Ans1} &= \left[ \begin{array}{l} .1 = \left[ \frac{\pi}{3} \right] \\ .3 = \left[ 0, \frac{\pi}{3} \right] \end{array} \right. \quad \left. \begin{array}{l} .2 = \left[ \frac{\pi}{3} \right] \\ .4 = [0] \end{array} \right], \quad \left[ \begin{array}{l} M @ \\ a M \\ t U \\ h T \\ :) :) \end{array} \right] \\ \\ \text{Ans2} &= \left[ \begin{array}{l} .1 = \left[ 0, \frac{2\pi}{3}, \frac{4\pi}{3} \right] \\ .3 = \left[ 0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6} \right] \\ .5 = \left[ 0, \frac{\pi}{3}, \pi, \frac{5\pi}{3} \right] \end{array} \right. \quad \left. \begin{array}{l} .2 = \left[ \frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2} \right] \\ .4 = \left[ \frac{3\pi}{4} \right] \\ .6 = \left[ \frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3} \right] \end{array} \right] \\ \\ \text{Ans3} &= \left[ \begin{array}{l} .1 = [ ] \\ .3 = [45^\circ] \end{array} \right. \quad \left. \begin{array}{l} .2 = [30^\circ] \\ .4 = [0] \end{array} \right], \quad \left[ \begin{array}{l} M @ \\ a M \\ t U \\ h T \end{array} \right] \\ \\ \text{Ans4} &= \left[ \begin{array}{l} .1 = [210^\circ, 270^\circ, 330^\circ] \\ .3 = [60^\circ, 90^\circ, 270^\circ, 300^\circ] \\ .5 = [45^\circ, 90^\circ, 225^\circ, 270^\circ] \end{array} \right. \quad \left. \begin{array}{l} .2 = [0, 60^\circ, 300^\circ] \\ .4 = [45^\circ] \\ .6 = [30^\circ, 90^\circ, 150^\circ, 210^\circ, 270^\circ, 330^\circ] \end{array} \right] \\ \\ \text{Ans5} &= \left[ \begin{array}{l} .1 = \left[ \frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi \right] \\ .3 = \left[ 2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi \right] \end{array} \right. \quad \left. \begin{array}{l} .2 = \left[ \frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi \right] \\ .4 = \left[ \frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi \right] \end{array} \right] \end{aligned}$$





