

PAWAN WAGH ACADEMY

MAKING MATHEMATICS SIMPLE & INTERESTING

Class 11th Math 1

Practice paper: Angle & it's Measurement

- Determine which of the following pairs of angles are co-terminal.
 - 200° , -200°
 - 425° , 107°
 - 360° , -90°
 - $+180^{\circ}$, -30°
- Two angles of a triangle are $\frac{7\pi}{8}^{\text{C}}$ and $\frac{\pi}{15}^{\text{C}}$. Find the degree & radian measure of third angle.
- Draw the angles of the following measures & determine their quadrants.

a) 120°	b) $+480^{\circ}$
c) -700°	d) 450°
e) -50°	f) -220°
- Convert the following angle to radian.
 - -70°
 - $20^{\circ} 28^1$
 - 280°
 - $55^{\circ} 20^1$

5. Convert the following angle in degree.

a) $\frac{5\pi}{14}^{\circ}$

b) $\frac{-3\pi}{5}^{\circ}$

c) 7°

6. The measures of the angles of a triangle are in the ratio 2:5:6. Find their measures in degree & radian.

7. One angle of triangle has measure $\frac{2\pi}{9}^{\circ}$ and the measures of other two angles are in the ratio 2:3:2. Find their measure in degree & radian.

8. In a right angled triangle the acute angles are in the ratio 7:8. Find the angles of the triangle in degree & radian.

9. Find the angle between hour-hand and minutes - hand in a clock at.

a) 5 past eight

b) 9:6

c) 5:26

d) ten past two

10. The measures of the angles of a triangle are in A.P and the greatest is 4 times the smallest (least). Find the angles in degree & radian.

ALL THE BEST