DAV MODEL SCHOOL, PJHEP, REVULAPALLY

SUB: MATHEMATICS **CLASS: X**

MARKS: 10 **NAME: _____**

WORKSHEET-2

.....

I) CHOOSE THE CORRECT ANSWER:

1) The value of sin12˚-cos78˚ is_____

a) 12˚ b) 78˚ c) 0˚ d)1˚

2) The value of sec 41˚ / Cosec 49˚ =

a) 0˚ b) 1˚ c)49˚ d)41˚

3) If sec Φ + tan Φ=P then value of sec Φ-tan Φ=

a) 1 b)-P c) 0 d)$\frac{1}{P}$

4) If sin (θ+36˚) =cosθ then value of θ is ___

a) 44˚ b) 0˚ c) 27˚ d) 54˚

5) In a triangle ABC if A+B=90˚ then value of Cos C is___

a) 45˚ b) 60˚ c) 0˚ d) 30˚

6) Which of following has equal values?

a) Sin30˚ b) tan45˚ c) cos60˚ d) tan90˚

7) The value of cos10˚.cos20˚.cos30˚.....cos100˚=_____

a) 1 b)0 c)100˚ d)45˚

8) The value of $\sec^2$ (1+sinθ) (1-sinθ) =

a) 2 b) 1 c) 0 d)-1

9) If sin θ=cos θ then the value of θ is ___

a) 0˚ b) 45˚ c) 60˚ d) 30˚

10) The value of cos60˚sin30˚+sin60˚cos30˚____

a) $\frac{1}{4}$ b) $\frac{3}{4}$ c) 1 d) 0