TRIGNOMETRY-SPECIAL ANGLES QUESTION PAPER

1. If $\angle A = 30°$ then find the value of $2\sin A \times \cos A$?
   a)$\sqrt{3}/4$ b)$\sqrt{3}/2$ c)1   d)0

2. If $\cot\theta = 1/\sqrt{3}$ then $\theta =$
   a)30°   b)90°   c)0°   d)60°

3) What is $\sin 30° + \cos 60°$?
   a)1/2   b)1   c)1/4   d)$\sqrt{3}/2$

4) If $\csc\theta = 2$ then $\theta=$ ------
   a)30°   b)90°   c)0°   d)60°

5) If $\cot A = 1$ then A= -------
   a)30°   b)90°   c)45°   d)60°

6) If $\angle A = 30°$ and $\angle B = 60°$ then find the value of $\sin(A+B)=$?
   a)0   b)$\sqrt{3}/2$ c)1   d) not defined

7) If $\angle A = 45°$ then find the value of $\tan 2A=$
   a)90°   b)1   c)0   d) not defined

8) What is the value of $(1+\sin 45°)(1-\cos 45°)$
   a)1   b)1/2   c) $1/\sqrt{2}$ d) not defined

9)) If $\angle B = 45°$ then find the value of $2\sin B \cdot \cos B =$----------------
   a) $\sqrt{2}$ b)1   c)$\sqrt{3}$ d) $1/\sqrt{2}$

10. What is the value of $\dfrac{\cos 45°}{\tan 45°} - \dfrac{\sin 45°}{\cot 45°} =$ -----------
    a) 1   b)2   c)0   d)$\sqrt{2}$