8. Which one is not an identity?

a) $\tan A = \dfrac{\sec A}{\csc A}$

b) $\cos A = \dfrac{\cot A}{\csc A}$

c) $\cos A = \sin A \cot A$

d) $\tan A = \dfrac{\sin A}{\sec A}$

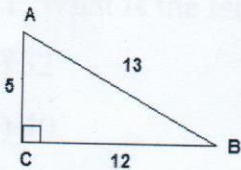9. In the right triangle below, find $\tan A$ and $\tan B$.

Figure-1

a) $\tan A = \dfrac{5}{12}$; $\tan B = \dfrac{5}{12}$

b) $\tan A = \dfrac{12}{5}$; $\tan B = \dfrac{12}{13}$

c) $\tan A = \dfrac{12}{5}$; $\tan B = \dfrac{5}{12}$

d) $\tan A = \dfrac{5}{13}$; $\tan B = \dfrac{13}{5}$

10. Find the exact value of $\csc\theta$ if, $\cot\theta = -\dfrac{3}{5}$ and θ lies in IV quadrant.

a) $-\dfrac{\sqrt{34}}{5}$

b) $\dfrac{\sqrt{34}}{5}$

c) $\dfrac{\sqrt{35}}{5}$

d) $-\dfrac{\sqrt{35}}{5}$