Name the quadrant in which θ lies.

$$\frac{S \,|\, A}{T \,|\, C}$$

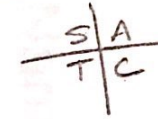1) $\sin\theta < 0$ and $\cos\theta < 0$ Q III

Neg   Neg

2) $\sin\theta > 0$ and $\cos\theta > 0$ Q I

Pos   Pos

3) $\sin\theta > 0$ and $\tan\theta < 0$ Q II

Pos   Neg

4) $\sec\theta > 0$ and $\cot\theta < 0$ Q IV

Pos   neg

5) $\cot\theta > 0$ and $\cos\theta > 0$ Q I

Pos   Pos

6) $\tan\theta > 0$ and $\csc\theta < 0$ Q III

Pos   neg