

Deciphering which Quadrant the Terminal Side of an Angle Lies Practice Problems

Suppose θ is an angle in standard position. Under each of the given conditions, in which quadrant does the terminal side lie?

1) $\sin \theta < 0, \cos \theta < 0$

2) $\sin \theta < 0, \cos \theta > 0$

3) $\sin \theta < 0, \tan \theta > 0$

4) $\sin \theta > 0, \cos \theta < 0$

5) $\sin \theta > 0, \tan \theta > 0$

6) $\cos \theta < 0, \tan \theta < 0$

7) $\cos \theta < 0, \tan \theta > 0$

8) $\cos \theta > 0, \sin \theta > 0$

9) $\cos \theta > 0, \tan \theta > 0$

10) $\cos \theta > 0, \tan \theta < 0$

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Answers

- 1) II
- 2) IV
- 3) III
- 4) II
- 5) I
- 6) II
- 7) III
- 8) I
- 9) I
- 10) IV