

F.TF.C.8: Finding the Terminal Side of an Angle 3

- 1 If $\sin A > 0$ and $\cos A < 0$, in which quadrant does $\angle A$ terminate?
1) I 2) II 3) III 4) IV
- 2 If $\sec x < 0$ and $\tan x < 0$, then the terminal side of angle x is located in Quadrant
1) I 2) II 3) III 4) IV
- 3 If $\sin A < 0$ and $\tan A > 0$, in which quadrant does the terminal side of $\angle A$ lie?
1) I 2) II 3) III 4) IV
- 4 If $\sin A = -\frac{5}{13}$ and $\cos A > 0$, angle A terminates in Quadrant
1) I 2) II 3) III 4) IV
- 5 If $\cos A = -\frac{4}{5}$ and $\tan A$ is negative, in which quadrant does angle A terminate?
1) I 2) II 3) III 4) IV
- 6 If $\cos \theta > 0$ and $\csc \theta < 0$, in which quadrant does the terminal side of θ lie?
1) I 2) II 3) III 4) IV
- 7 If $\sec x < 0$ and $\cot x < 0$, in which quadrant does the terminal side of angle x lie?
1) I 2) II 3) III 4) IV
- 8 If $\sin \theta$ is less than 0 and $\sec \theta$ is greater than 0, in which quadrant does the terminal side of θ lie?
1) I 2) II 3) III 4) IV
- 9 If $\sin A > 0$ and $(\sin A)(\cos A) < 0$, in which quadrant does $\angle A$ terminate?
1) I 2) II 3) III 4) IV
- 10 If $\cos x = -\frac{\sqrt{2}}{2}$, in which quadrants could $\angle x$ terminate?
1) I and IV 2) I and III 3) II and IV 4) II and III
- 11 If $\tan x = -\sqrt{3}$, in which quadrants could angle x terminate?
1) I and III 2) II and III 3) II and IV 4) III and IV
- 12 Which trigonometric function is positive in Quadrant IV?
1) $\sin x$ 2) $\sec x$ 3) $\csc x$ 4) $\cot x$
- 13 In which quadrant does θ lie if $\tan \theta < 0$ and $\csc \theta > 0$?
- 14 If $\sin A < 0$ and $\cot A > 0$, in which quadrant does the terminal side of $\angle A$ lie?
- 15 In which quadrant are both tangent and cosecant negative?
- 16 In which quadrant do both the cosecant and secant functions have negative values?

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Answer Section

- 1 ANS: 2 REF: 069217siii
2 ANS: 2 REF: 080035siii
3 ANS: 3 REF: 080112siii
4 ANS: 4 REF: 010217siii
5 ANS: 2 REF: 019219siii
6 ANS: 4 REF: 080321siii
7 ANS: 2 REF: 010432siii
8 ANS: 4 REF: 060226siii
9 ANS: 2 REF: 019718siii
10 ANS: 4 REF: 069823siii
11 ANS: 3 REF: 089921siii
12 ANS: 2 REF: 080220siii
13 ANS:
II

REF: 089409siii

- 14 ANS:
III

REF: 060006siii

- 15 ANS:
IV

REF: 010107siii

- 16 ANS:
III

REF: 069303siii