

MATH 1080

REVIEW WS: Trigonometric Functions Increasing/Decreasing

For each question determine the quadrant(s) for which the statement is true for each graph. Circle all quadrants that apply.

I II III IV None

1. $y = \sin x$ and $y = \tan x$ are *BOTH* positive.

I II III IV None

2. $y = \tan x$ is decreasing.

I II III IV None

3. $y = \sin x$ and $y = \cos x$ are *BOTH* negative.

I II III IV None

4. $y = \tan x$ is negative *AND* $y = \sin x$ is increasing.

I II III IV None

5. $y = \tan x$ is *BOTH* positive and increasing.

I II III IV None

6. $y = \sin x$ and $y = \cos x$ *BOTH* decreasing.