Question

The statement "$\tan \theta = -\dfrac{12}{5}$, $\csc \theta = -\dfrac{13}{12}$, and the terminal point determined by θ is in quadrant 3":

cannot be true because tan is greater than zero in quadrant 3.

cannot be true because tan must be less than 1.

cannot be true because $12^2 + 5^2 \neq 1$.

cannot be true because if $\tan \theta = -\dfrac{12}{5}$, then $\csc \theta = \pm\dfrac{13}{5}$.

Answer: cannot be true because tan is greater than zero in quadrant 3.

Question

Check all that apply. $\tan \theta$ is undefined for $\theta = $ _____.

0

π

$\dfrac{\pi}{2}$

$\dfrac{3\pi}{2}$

Answer: $\theta = \dfrac{\pi}{2}; \dfrac{3\pi}{2}$.