

Incorrect. Since $\sin \theta = y$, sine is positive when $y > 0$. This occurs in Quadrants I and II.

Since $\cos \theta = x$, cosine is positive when $x > 0$. This occurs in Quadrants I and IV.

Since $\tan \theta = \frac{y}{x}$, tangent is positive when x and y are both positive or both negative. This occurs in Quadrants I and III.

Since secant is the reciprocal of cosine, they have the same sign. Similarly, cosecant and sine have the same sign; tangent and cotangent have the same sign.