

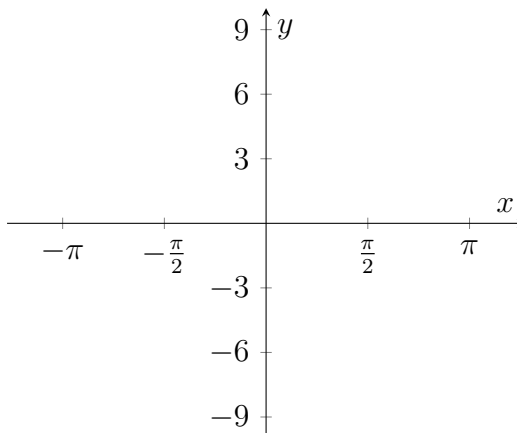
Quiz 9 — 14 November 2019

Answer the questions in the spaces provided. **Show all of your work and circle the answer you would like to have graded for each question.**

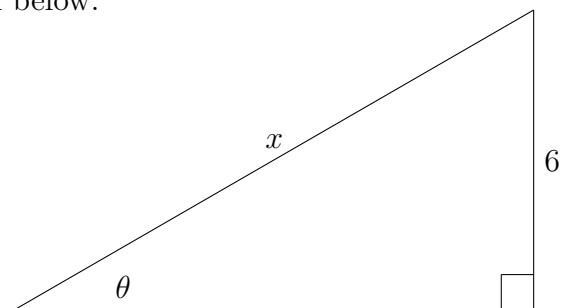
Name and section: _____

1. Let $f(x) = 3 \csc x$.

- (a) Identify at least one point on the graph of f .
- (b) Is f an even or odd function?
- (c) Use the axes below to sketch the graph of f and identify any asymptotes.



2. Consult the diagram below:



(a) Use an inverse trigonometric function to write θ as a function of x .

(b) If we are given that $x = 4\sqrt{3}$, what is the value of θ in degrees?