

QUIZ 1

Time: 10min

1. Find $\lim_{t \rightarrow -7} \frac{t^2 + 4t - 21}{t + 7}$.
2. (a) Give an example of a function whose limit does not exist at some point even though the one-sided limits exist at that point. (b) Give an example of a function whose one-sided limits do not exist at some point.

Each problem is worth 5 points.