

Math 25 Calculus I Quiz 3

Feb 15, 2007

SHOW ALL WORK

1.) Find the horizontal and vertical asymptotes for $f(x) = \frac{-4x^2}{(x-3)^2}$ by calculating the appropriate limits. Show all steps.

2.) Define $\lim_{x \rightarrow a} f(x) = L$.

3.) Prove $\lim_{x \rightarrow 1} (-2x + 5) = 3$