1. This quiz concerns the function $f(x) = \dfrac{x^2 - x - 6}{x^2 - 4x + 3}$.

   (a) Find the intervals on which $f(x)$ is continuous.

   (b) Find the horizontal asymptotes (if any).

   (c) Find the vertical asymptotes (if any).

1. This quiz concerns the function $f(x) = \dfrac{x^2 - 4}{5x^2 - 10x}$.

   (a) Find the intervals on which $f(x)$ is continuous.

   (b) Find the horizontal asymptotes (if any).

   (c) Find the vertical asymptotes (if any).