

Find the Domain of each function.

$$f(x) = \frac{2}{x-4}$$

$$g(x) = \frac{2x-3}{x^2+8x+15}$$

Determine if each function is continuous. If the function is not continuous, find the x-axis location of each discontinuity and classify each discontinuity as infinite or removable.

$$h(x) = \frac{3x}{x^2-9x-10}$$

$$p(x) = \frac{3x}{x^2-5x}$$