

Find the domain of each function. Give your answer in interval notation.

$$f(x) = \sqrt{x - 16}$$

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

$$p(x) = \frac{\sqrt{x^2 + 1}}{x^2 - 1}$$

$$r(x) = \frac{\sqrt{x+2}}{\sqrt{3-x}}$$