

Polynomial and Rational Inequalities - Worksheet

NAME:

DATE:

1. Solve the inequality and express the answer in interval notation.

$$4 < 9x + 2 \leq 10$$

2. Solve the inequality.

(a) $x^2 + 8x - 20 > 0$

(b) $\frac{1}{x-1} < \frac{-1}{x+2}$

3. Determine the domain of the function $f(t) = \sqrt{1 - 4t^2}$.