

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

DEPARTMENT OF MATHEMATICS AND STATISTICS

SECTION 5.3

Math 1090 Worksheet

FALL 2009

For practise only. Not to be submitted.

1. Solve each of the following polynomial inequalities. Give the solution as an interval or as the union of intervals.

(a) $x^2 < 3 - 2x$

(b) $(x - 2)^2 > 1$

2. Solve each of the following rational inequalities. Give the solution as an interval or as the union of intervals.

(a) $\frac{3}{3 - x} < 5$

(b) $\frac{1}{x - 4} \geq \frac{1}{2x + 3}$