

Solving Quadratic Inequalities

Solve algebraically

- 1) $x^2 + 3x - 4 > 0$
- 2) $x^2 - 2x - 15 \geq 0$
- 3) $x^2 + x - 6 < 0$
- 4) $2x^2 + x - 6 \leq 0$
- 5) $6x^2 - 7x - 3 > 0$
- 6) $5x^2 - 9x - 2 < 0$

Solve by graphical means

- 1) $x^2 + 4x - 12 > 0$
- 2) $x^2 - x - 12 < 0$
- 3) $x^2 + 2x - 8 \geq 0$
- 4) $3x^2 + x - 2 \leq 0$
- 5) $4x^2 - 13x + 3 > 0$
- 6) $3x - 2 - \frac{5}{x} < 0$

(HINT: Multiply through by x
first)