

Note: Answers are not guaranteed to be correct!

$$\frac{x(x^2-4)}{x^2+2x-3} \leq 0 \quad \frac{x}{2} - 3 \geq 4x + \frac{5}{2}$$
$$(-\infty, -2] \cup (-1, 0] \cup [2, 3) \quad x \leq -11/7$$

$$\frac{x+13}{x-3} > \frac{7}{x-2} \quad \frac{2x-1}{x-1} \leq \frac{15}{x+3}$$
$$(-\infty, -5) \cup (1, 2) \cup (3, \infty) \quad (-3, 1) \cup [2, 3]$$

$$|5x - 4| \geq 6 \quad \left| \frac{1}{3x+4} \right| \leq 5$$
$$(-\infty, -2/5] \cup [2, \infty) \quad (-\infty, -21/15) \cup (-19/15, \infty)$$

- Find the equation of the line passing through the points (2, 3) and (7, -1). $y - 3 = -\frac{4}{5}(x - 2)$
- Find the center and the radius of the circle given by $x^2 + y^2 = 2x - 6y + 5$. Center: (1, -3). Radius: $\sqrt{15}$.
- Find the shortest distance from the point (6, 4) and the line $2x + y = 4$. $\sqrt{(\frac{6}{5} - 6)^2 + (\frac{8}{5} - 4)^2} = \frac{12}{\sqrt{5}}$