

## Suggested Problems for Tuesday, August 28

For each of the following equations or inequalities, find the solution set. Practice expressing your answer with interval notation, if possible.

1.  $12x^2 + 23x - 24 = 0$  (Hint: Try factoring. Try the Quadratic Equation.)

2.  $\frac{5}{x} + \frac{1}{x-2} = 10$

3.  $\frac{10}{x^2} + \frac{7}{x} + 1 \geq 0$

4.  $|3x - 1| < 5$

5.  $\left| \frac{4}{5}x + 12 \right| > 8$

For additional practice with inequalities and absolute value, look at problems 1–18 in Appendix A1.

For additional practice solving quadratic equations, look at problems 15–36 in Appendix A2.