Assignment VIII: due March 4

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February 22, 2009

Winter Quarter Algebra Initiative

1. Solve the following system inequalities graphically using your graphing calculator and turn in a sketch of the graph with the region satisfying the inequalities shaded.

$$
\begin{aligned}
y &> 7x^2 \\
|x| &< y
\end{aligned}
$$

Now describe the regions algebraically and find the *exact* coordinates of the points of intersection of the curves/lines bordering the region.

2. Do CME page 651-12,14; 664- 10,11; 665- 12,13; 667-3; 669-14