

Name:

math 082

HW/Quiz #2

Due: 2/27

* Solve each equation

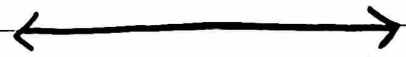
① $4x - 3 = 2x + 9$

② $5(3x - 4) = 4(4x - 6)$

③ $\frac{1}{2}x + \frac{2}{3} = 2x - \frac{1}{3}$

* Solve each inequality and graph

④ $-2x - 8 \geq 4$



⑤ $4(3x - 1) + 2 < 10x - 4$



⑥ $\frac{2}{5}x - \frac{1}{2} > \frac{2}{3}$ * Solve but do not graph *

* Write the inequality & solve.

⑦ The product of 2 and a number is at most 6 more than that same number.

⑧ To rent a car it will cost \$105.00 upfront, plus \$65.00 per day. For how many days could they rent the car if their budget is \$800.00?