

Math5700, Capstone Course, Spring 2013
Quiz 2

Name: _____

Date: _____

u id #: _____

1. Solve these inequalities.

(a) $|3x - 5| - 8 \geq -3$

(b) $(y + 4)^5 + 1 < 0$

(c) $\frac{x^2 - 5x + 6}{x + 2} \leq 3$

(d) $\log_2(w+1)^3 + 2 \leq -1$

(e) $\log_2(w+1)^4 + 2 \leq -1$

(f) $3(5^{x^2-1}) \geq 30$

2. When do you need to “switch the sign” while solving an inequality?