

**Math 80 Quiz #1**  
**January 12, 2009**

Name: \_\_\_\_\_

Show all work.

1. Simplify the following as much as possible.

(a) (1 pt.)  $\frac{5}{6} - \frac{1}{2}$

(c) (1 pt.)  $3 - 2(4 + 1)^2$

(b) (1 pt.)  $(3.4)(0.2)$

2. Solve the following equations. (Remember to check your answers.)

(a) (2 pts.)  $\frac{1}{3}x - 1 = 4$

(b) (2 pts.)  $2x + 6 = 4(x - 3) + 8$

3. (3 pts.) A 6 foot piece of wood is cut into two pieces. One piece is three times longer than the other.

How long are each of the pieces? (Set up an equation to solve.)