Collaboration between students is encouraged. All work must be shown (legibly) for full credit.

- 1. (2 points) Find the unit rate for
- **2.** (2 points) Simplify the following:

70 calories per 8 ounces

$$\sqrt{169} - \sqrt{9}$$

$$=$$
  $\frac{cal}{a}$ 

**3.** (2 points) Simplify the following:

**4.** Bonus (2 points) Simplify the following:

$$-\sqrt{16a^2}$$

 $-\frac{15(\sqrt{16}-\sqrt{49})}{\sqrt{25}}$