

Algebra 201-007-50 C1

Quiz 2

September 4, 2008

Name: SOLUTIONS

Student Number:

1. (2 points) Add the following fractions. Make sure the answer is in reduced form.

$$\frac{2}{9} + \frac{1}{4}$$

$$= \frac{2}{9} \cdot \frac{4}{4} + \frac{1}{4} \cdot \frac{9}{9}$$

$$= \frac{8}{36} + \frac{9}{36} = \frac{17}{36}$$

2. (2 points) Divide the following fractions. Make sure the answer is in reduced form.

$$\frac{1}{6} \div \frac{3}{2}$$

$$= \frac{1}{\cancel{3}6} \cdot \frac{\cancel{2}^1}{3} = \frac{1}{9}$$

3. (3 points) Solve for b in the formula $P = a + b + c$ if $P = 555$, $a = 210$ and $c = 80$.

$$555 = 210 + b + 80$$

$$555 - 210 - 80 = b$$

$$265 = b$$

4. (3 points) Solve for b in the formula

$$A = \frac{1}{2}bh$$

$$2A = 2 \cdot \frac{1}{2}bh$$

$$2A = bh$$

$$\frac{2A}{h} = b$$