

Algebra 201-007-50 C1

Quiz 1

August 28, 2008

Name: SOLUTIONS

Student Number:

1. (8 points) Solve for x in the following linear equations:

a) $2(x - 1) - 2 = -(x - 11)$

$$2x - 2 - 2 = -x + 11$$

$$2x - 4 = -x + 11$$

$$2x + x = 11 + 4$$

$$3x = 15$$

$$\boxed{x = 5}$$

b) $\frac{1}{5}x - 1 = 2$

$$5\left(\frac{1}{5}x - 1\right) = 2$$

$$5 \cdot \frac{1}{5}x - 5 \cdot 1 = 2$$

$$x - 5 = 2$$

$$\boxed{x = 7}$$