Algebra 201-007-50 C1 Quiz 10 October 13, 2008

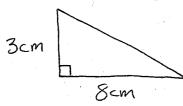
Name: Student ID: SOLUTIONS

1. (3 marks). Solve for x in the proportion:

$$\frac{9}{5} = \frac{12}{3x+2} \ .$$

$$24x = -48$$

2.~(4~marks). The following are similar triangles. Find the area of the triangle on the right.



$$\frac{5}{3} = \frac{x}{8}$$

$$=\frac{20.5}{3}=\frac{100}{3}$$
 cm²

$$x = 40$$

$$\overline{3}$$

3. (3 marks). Simplify:

$$2\sqrt{6} \cdot 3\sqrt{3}$$

$$=6.3\sqrt{2}$$