Math 20-2   **Name: _____**

Review: Divide Radicals & Solve Radical Equations. (quiz 2, Sept 2016)

1. Simplify each and rationalize the denominator (5 marks).

   a) $\dfrac{12\sqrt{6}}{2\sqrt{3}}$

   b) $\dfrac{\sqrt{15}}{\sqrt{6}}$ c) $\dfrac{3\sqrt{12}}{2\sqrt{5}}$

2. Multiply each, always express in simplest form. (4 marks)

   a) $\dfrac{2\sqrt{3}+4\sqrt{2}}{\sqrt{5}}$

   b) $\dfrac{3\sqrt{6}+\sqrt{3}}{2\sqrt{3}}$

3. Solve. State the restrictions on x. (6 marks)

a) $2\sqrt{x} = 6$

b) $\sqrt{x - 4} = 5$

c) $2\sqrt{x + 3} - 5 = 7$