

# Review for Quiz March 26, 2007

$$\frac{8y^2}{8} = \frac{968}{8}$$

$$\sqrt{y^2} = \pm \sqrt{121}$$

$$\underline{\underline{y = \pm 11}}$$

$$\begin{aligned} \sqrt{\frac{36}{24}} &= \frac{\sqrt{36}}{\sqrt{24}} = \frac{6}{\sqrt{4 \cdot 6}} = \frac{6}{2\sqrt{6}} = \frac{6\sqrt{6}}{2 \cdot 6} \\ &= \frac{1\cancel{6}\sqrt{6}}{2\cancel{2}} = \frac{\sqrt{6}}{2} \end{aligned}$$

$$\sqrt{\frac{36 \div 6}{24 \div 6}} = \sqrt{\frac{6}{4}} = \frac{\sqrt{6}}{\sqrt{4}} = \frac{\sqrt{6}}{2}$$

$$\sqrt{\frac{36 \div 12}{24 \div 12}} = \sqrt{\frac{3}{2}} = \frac{\sqrt{3} \cdot \sqrt{2}}{\sqrt{2} \cdot \sqrt{2}} = \frac{\sqrt{6}}{2}$$

$$\sqrt{\frac{8 \div 2}{6 \div 2}} = \sqrt{\frac{4}{3}} = \frac{\sqrt{4}}{\sqrt{3}} = \frac{2}{\sqrt{3}} = \frac{2 \cdot \sqrt{3}}{\sqrt{3} \cdot \sqrt{3}} = \frac{2\sqrt{3}}{\underline{\underline{3}}}$$

$$5y^2 - 80 = 0$$

$$\frac{5y^2 = 80}{5 \quad 5}$$

$$\sqrt{y^2} = \pm \sqrt{16}$$

$$\underline{\underline{y = \pm 4}}$$

$$-\sqrt{4} = \underline{\underline{-2}}$$

$$\begin{aligned}\sqrt{8} &= \sqrt{4} \cdot \sqrt{2} \\ &= \underline{\underline{2\sqrt{2}}}\end{aligned}$$

$$3x^2 - 4 = 8$$

$$\begin{array}{r} +4 \quad +4 \\ \hline 3x^2 = 12 \\ \hline \end{array}$$

$$\sqrt{x^2} = \pm\sqrt{4}$$

$$\underline{\underline{x = \pm 2}}$$

- know P. Squares!

- know how to Approx.  
a Non-P.S. Square Root  
w/o a Calc.

↳ taught to you By  
Mr. G. Only on  
~~Friday~~ Thursday & Friday