Review for Quiz March 26, 200>

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

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

$$y = \pm 11$$

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

$$= \frac{6\sqrt{6}}{2\cdot 6} = \frac{\cancel{6}\sqrt{6}}{2\cancel{12}} = \frac{\sqrt{6}}{2}$$

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

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

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

$8 \div 2$, $6 \div 2$

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

$$+80 \quad +80$$

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

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

$$y = \pm 4$$

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

$$\sqrt{8} = \sqrt{4} \cdot \sqrt{2}$$
$$= \underline{\underline{2\sqrt{2}}}$$

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

$$+4 \quad +4$$

$$\frac{3x^2}{3} = \frac{12}{3}$$

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

$$x = \pm 2$$

- 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