SQUARE ROOTS

$$\sqrt[2]{9} = \sqrt{9} = 3$$
 $\sqrt{121} = 11$
 $\sqrt{28} = \sqrt{4.7}$

$$= 2\sqrt{7}$$

 $\sqrt{45} = \sqrt{9.5} = 3\sqrt{5}$

$$2\sqrt{3} + 5\sqrt{3} = 7\sqrt{3}$$

Multiplication
$$\sqrt{2.16} = \sqrt{12}$$

$$= \sqrt{4.3}$$

$$= 2\sqrt{3}$$

$$= 2\sqrt{3}$$

$$= 15 - 6\sqrt{5} + 20\sqrt{5} - 975$$

$$= 15 - 6\sqrt{5} + 20\sqrt{5} + 20\sqrt{5} + 20\sqrt{5} + 20\sqrt{5}$$

$$= 15 - 6\sqrt{5} + 20\sqrt{5} + 20\sqrt{5}$$

$$= 15 - 6\sqrt{5} + 20\sqrt{5} + 20\sqrt{5}$$

$$= 15 - 6\sqrt{5} + 20\sqrt{5}$$

$$= 15 - 6\sqrt{5}$$

$$\frac{\sqrt{a1}}{\sqrt{7}} = \sqrt{3}$$

$$\sqrt{\frac{36}{25}} = \frac{\sqrt{36}}{\sqrt{25}} = \frac{6}{5}$$

$$\sqrt{\frac{20}{81}} = \sqrt{\frac{20}{91}} = \sqrt{\frac{4.5}{9}} = \frac{2\sqrt{5}}{9}$$

$$\frac{5}{\sqrt{7}} \cdot \frac{\sqrt{7}}{\sqrt{7}} = \frac{5\sqrt{7}}{7}$$

Tationalizing the denominator - get rid of V in denominator

$$\sqrt{\frac{3}{2}} = \sqrt{\frac{3}{\sqrt{2}}} \cdot \sqrt{\frac{5}{2}} = \sqrt{\frac{6}{2}}$$

$$\sqrt{\frac{11}{12}} = \frac{\sqrt{11}}{\sqrt{12}} = \frac{\sqrt{11}}{\sqrt{12}} = \frac{\sqrt{33}}{\sqrt{3}} = \frac{\sqrt{33}}{\sqrt{3}}$$

$$3+4\sqrt{1} \quad (3+2\sqrt{7})$$

$$5-2\sqrt{7} \quad (5+2\sqrt{7})$$

$$= \frac{15+6\sqrt{7}+20\sqrt{7}+8\cdot7}{25+10\sqrt{7}-10\sqrt{7}-4\cdot7}$$

$$-3+10\sqrt{7}$$

$$-3+10\sqrt{$$