Add & Subtract:  $3\sqrt{20} + 2\sqrt{10} - 3\sqrt{45}$  $3(\sqrt{4x5}) + 2\sqrt{10} - 3(\sqrt{9x5})$  $3(2\sqrt{5}) + 2\sqrt{10} - 3(3\sqrt{5})$  $6\sqrt{5} + 2\sqrt{10} - 9\sqrt{5}$ =-3/5+2/10





Va · Vb = Vaxb

ex: 315 6-4,50)

= /8/5 - /2/100

= 18/5-12(10) = 18/5-120

Distributive Property  $\underline{Q}(b+c)$ ex=abtac ) (x+7) = 2x +14

## • Division







 $\frac{3\sqrt{10}}{3\sqrt{6}} \sqrt{\frac{1}{10}} \left( \frac{3\sqrt{5}}{2\sqrt{6}} \left( \frac{3\sqrt{5}}{2\sqrt{5}} \right) \right)$   $= \frac{3\sqrt{60}}{3(6)} \left( \frac{4\sqrt{60}}{1(6)} \right) \left( \frac{6\sqrt{60}}{2\sqrt{6}} \right) = \frac{6(2\sqrt{55})}{3\sqrt{4}} \right)$   $= \frac{3(\sqrt{15})}{12} \frac{3\sqrt{5}}{\sqrt{3}} \left( \frac{\sqrt{13}}{\sqrt{3}} \right)$   $= \frac{3\sqrt{5}}{2\sqrt{3}} \left( \frac{\sqrt{13}}{\sqrt{3}} \right)$  $\frac{2\sqrt{15}}{2(3)}$ 12 (15) (15) v N/0/15/

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