

5.2a Operations with Radicals

* To multiply and divide radicals we must remember the following properties:

Note: the indexes MUST always be _____

ex. a) $(2\sqrt{3})(5\sqrt{5})$

b) $(2\sqrt{7})(4\sqrt{75})$

c) $(7\sqrt{3})(5\sqrt{5} - 6\sqrt{3})$

d) $(8\sqrt{2} - 5)(4 - 3\sqrt{2})$

e) $9\sqrt[3]{2w}(\sqrt[3]{8w^2} - 3)$

f) $\frac{4\sqrt[3]{6}}{2\sqrt[3]{3}}$