

Name:

Date:

Topic:

Class:

Main Ideas/Questions	Notes/Examples	
ADDING & SUBTRACTING RADICALS	①	SIMPLIFY all radicals.
	②	Identify radicals with the SAME INDEX and SAME RADICAND . Only these can be combined!
	③	For common radicals, add/subtract the coefficients and KEEP THE COMMON RADICAL .
	EXAMPLE: $-2\sqrt{20} - 2\sqrt{5}$	
More Examples	Directions: Find each sum or difference. Make sure you simplify FIRST!	
	1. $3\sqrt{6} - 2\sqrt{6}$	2. $2\sqrt{5} + 2\sqrt{5}$
	3. $10\sqrt{7} + 2\sqrt{63}$	4. $\sqrt{15} - 6\sqrt{60}$
	5. $2\sqrt{32} - 3\sqrt{18}$	6. $-4\sqrt{28} + 4\sqrt{112}$
	7. $-4\sqrt{160} - 2\sqrt{90}$	8. $4\sqrt{45} + 3\sqrt{245}$