SECONDARY MATH 2

**CORE STANDARDS**

II.1.N.RN.3

LESSON

**1-4**

OBJECTIVE **1. SWBAT add, subtract, & multiply radical expressions**

NOTESSS

* Adding or subtracting radicals is like adding or subtracting like terms. The ‘like’ part in this case is the radical, which must match in both index and radicand to be ‘like’.

e.g.  

(HINT) You may have to first simplify the radical(s) in order to make them ‘like’.

* You do not need like radicals when multiplying; you can multiply the radicands as long as the indexes are the same.

e.g.  

EXAMPLES Add, subtract, or multiply as indicated. Write all answers in simplified form.

**1.**  **2.** 

**3.**  **4.** 

**5.**  **6.** 

PRACTICE **1-4** NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 [SHOW YOUR WORK] [WRITE ALL ANSWERS IN SIMPLIFIED FORM]

Add, subtract, or multiply as indicated.

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 
11. 
12. 
13. 
14. 
15. 

Simplify. REVIEW 1-3

1. 
2. 

Perform the indicated operations. REVIEW 1-1

1. 
2. 
3. Find the area and perimeter of the triangle shown. Express your answers as simplified radicals.



Perimeter: (sum of three sides)

 Area = 