

Name

Period

Score	%	/10

**Sec1H****HW 5-2  
Operations with Radicals**

Simplify each of the following radical expressions:

1.  $\sqrt{20} + \sqrt{20}$

2.  $\sqrt{54} + \sqrt{6}$

3.  $\sqrt{12} + \sqrt{27}$

4.  $2\sqrt{3} - 2\sqrt{27}$

5.  $\sqrt{45} - 3\sqrt{20}$

6.  $2\sqrt{6} - 3\sqrt{24}$

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7.  $3\sqrt{5} + 5\sqrt{2} - 6\sqrt{5}$

8.  $3\sqrt{15} \cdot \sqrt{10}$

9.  $\sqrt{8} \cdot \sqrt{10}$

10.  $2\sqrt{3} \cdot 4\sqrt{21}$

11.  $(6\sqrt{7})^2$

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