

Honors Geometry  
Summer Prep  
Worksheet 2



Simplify the expression.

1.  $2\sqrt{5} + \sqrt{5}$

2.  $12\sqrt{6} + 5\sqrt{6} - 2\sqrt{6}$

3.  $\sqrt{144} - \sqrt{25}$

4.  $\sqrt{32} + 2\sqrt{2}$

5.  $\sqrt{18} - \sqrt{2}$

6.  $\sqrt{28} - \sqrt{63}$

7.  $\sqrt{24} + \sqrt{54} + 8\sqrt{6}$

8.  $\sqrt{44} + \sqrt{4}$

9.  $10\sqrt{6} - 13\sqrt{6}$

10.  $\sqrt{12} - \sqrt{48} + \sqrt{3}$

11.  $\sqrt{20} + \sqrt{5}$

12.  $\sqrt{28} - 3\sqrt{7} + \sqrt{63}$

13.  $10\sqrt{3} + 5\sqrt{3}$

14.  $7\sqrt{45} + 2\sqrt{20}$

15.  $\sqrt{64} + \sqrt{36} + \sqrt{18}$

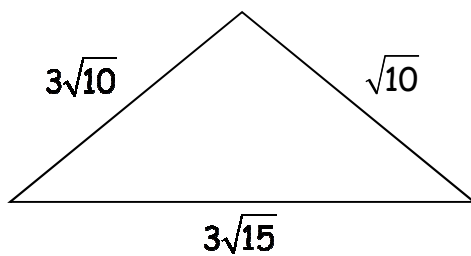
16.  $\sqrt{8} - \sqrt{32}$

17.  $\sqrt{500} - \sqrt{245} + \sqrt{320}$

18.  $2\sqrt{20} - 3\sqrt{24} - \sqrt{180}$

Find the perimeter of the following triangles.

19.



20.

