

MasterMath

Simplifying Square Roots

Name _____
Date _____

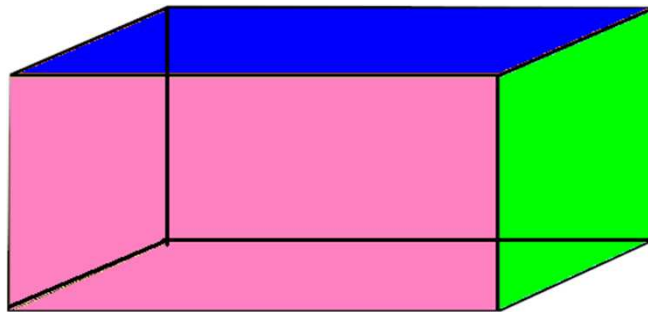
1. Simplify each expression

expression	simplified
$2\sqrt{5} + 6\sqrt{5}$	
$3\sqrt{3} - 2\sqrt{3}$	
$3\sqrt{24}$	
$\sqrt{(18/2)}$	
$\sqrt{225}$	
$13\sqrt{a} - 6\sqrt{a}$	
$3\sqrt{144}$	
$2\sqrt{9} - \sqrt{9}$	
$3\sqrt{16} - 2\sqrt{9}$	
$3\sqrt{5} - \sqrt{45}$	

2. Simplify: $\sqrt{24} - 2\sqrt{6}$

3. Find the volume of this prism:

$V = bwh$
$b = \sqrt{12}$ "
$w = \sqrt{6}$ "
$h = \sqrt{8}$ "



4. Simplify: $4\sqrt{27} + 2\sqrt{3}$

5. Simplify: $\sqrt{576}$

6. Simplify: $\sqrt{400}$

7. Simplify: $\sqrt{256}$

8. Simplify: $\sqrt{(1/4)}$