

**Simplify:**

1. $\sqrt{18}$	2. $\sqrt{24}$	3. $\sqrt{75}$
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**Simplify the following:**

4.  $2\sqrt{3} + \sqrt{12}$

5.  $15\sqrt{5} - \sqrt{45}$

6.  $\frac{1}{2}\sqrt{8} \times 8\sqrt{5}$

7.  $\frac{\sqrt{35}}{\sqrt{7}}$

8.  $5\sqrt{18} - 7\sqrt{72}$

9.  $5\sqrt{48} - 6\sqrt{27}$

**Solve:**

**10.  $4\sqrt{y} - 6 = 18$**

**11.  $\sqrt{3x} + 2 = 5$**

**12.  $\sqrt{3x + 8} = \sqrt{5x}$**