

Complete the table.

$\sqrt{1} = \underline{\hspace{2cm}}$

$\sqrt{49} = \underline{\hspace{2cm}}$

$\sqrt{169} = \underline{\hspace{2cm}}$

$\sqrt{361} = \underline{\hspace{2cm}}$

$\sqrt{4} = \underline{\hspace{2cm}}$

$\sqrt{64} = \underline{\hspace{2cm}}$

$\sqrt{196} = \underline{\hspace{2cm}}$

$\sqrt{400} = \underline{\hspace{2cm}}$

$\sqrt{9} = \underline{\hspace{2cm}}$

$\sqrt{81} = \underline{\hspace{2cm}}$

$\sqrt{225} = \underline{\hspace{2cm}}$

$\sqrt{441} = \underline{\hspace{2cm}}$

$\sqrt{16} = \underline{\hspace{2cm}}$

$\sqrt{100} = \underline{\hspace{2cm}}$

$\sqrt{256} = \underline{\hspace{2cm}}$

$\sqrt{484} = \underline{\hspace{2cm}}$

$\sqrt{25} = \underline{\hspace{2cm}}$

$\sqrt{121} = \underline{\hspace{2cm}}$

$\sqrt{289} = \underline{\hspace{2cm}}$

$\sqrt{576} = \underline{\hspace{2cm}}$

$\sqrt{36} = \underline{\hspace{2cm}}$

$\sqrt{144} = \underline{\hspace{2cm}}$

$\sqrt{324} = \underline{\hspace{2cm}}$

$\sqrt{625} = \underline{\hspace{2cm}}$

Simplify each radical. No Decimals.

1.) $\sqrt{48}$

2.) $\sqrt{56}$

3.) $\sqrt{72}$

4.) $\sqrt{36}$

5.) $\sqrt{242}$

6.) $\sqrt{250}$

7.) $\sqrt{200}$

8.) $\sqrt{32}$

9.) $\sqrt{20x^4y^3}$

10.) $\sqrt{125m^3n^5}$

11.) $\sqrt{300a^2b^7c^{10}}$

12.) $\sqrt{16xy^3z}$

13.) $\sqrt{8a^5b^7c^9}$

14.) $\sqrt{33a^2b^5c^3}$

Simplify.

15.) $5\sqrt{2} + 7\sqrt{2}$

16.) $3\sqrt{5} + 4\sqrt{3} - 6\sqrt{5}$

17.) $2\sqrt{8} - 4\sqrt{2}$

18.) $2\sqrt{2x^3} - x\sqrt{32x}$

19.) $-2\sqrt{45} - 3\sqrt{20} - 2\sqrt{12}$

20.) $\sqrt{45x^6y^3} - \sqrt{20x^3y^2}$

21.) $\sqrt{24x^4} - x^3\sqrt{75x} + x\sqrt{108x^3}$

22.) $\sqrt{80m^5n^3} - m^2\sqrt{150mn^3}$

23.) $\sqrt{3}(2 - \sqrt{8})$

24.) $\sqrt{6x}(\sqrt{3x^3} - 6)$

25.) $3\sqrt{2}(\sqrt{6} + \sqrt{2})$

27.) $(2 + \sqrt{8})(4 - \sqrt{3})$

28.) $(4 - \sqrt{2})(4 + \sqrt{2})$

29.) $(5 - 2\sqrt{3})(\sqrt{12} - 3\sqrt{6})$