



## Simplifying Radical Expressions

Name: \_\_\_\_\_

Date: \_\_\_\_\_



Find the answer.

1)  $\sqrt{125n} =$

2)  $\sqrt{216v} =$

3)  $\sqrt{512k^2} =$

4)  $\sqrt{512m^3} =$

5)  $\sqrt{216k^4} =$

6)  $\sqrt{100v^3} =$

7)  $\sqrt{80p^3} =$

8)  $\sqrt{45p^2} =$

9)  $\sqrt{147m^3} =$

10)  $\sqrt{100m^4} =$

11)  $\sqrt{75x^2} =$

12)  $\sqrt{64m^4} =$

13)  $\sqrt{16u^4} =$

14)  $\sqrt{28x^3} =$



QUIZ ?

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## Answers



Find the answer.

1)  $\sqrt{125n} = 5\sqrt{5n}$

2)  $\sqrt{216v} = 6\sqrt{6v}$

3)  $\sqrt{512k^2} = 16k\sqrt{2}$

4)  $\sqrt{512m^3} = 16m\sqrt{2m}$

5)  $\sqrt{216k^4} = 6k^2\sqrt{6}$

6)  $\sqrt{100v^3} = 10v\sqrt{v}$

7)  $\sqrt{80p^3} = 4p\sqrt{5p}$

8)  $\sqrt{45p^2} = 3p\sqrt{5}$

9)  $\sqrt{147m^3} = 7m\sqrt{3m}$

10)  $\sqrt{100m^4} = 10m^2$

11)  $\sqrt{75x^2} = 5x\sqrt{3}$

12)  $\sqrt{64m^4} = 8m^2$

13)  $\sqrt{16u^4} = 4u^2$

14)  $\sqrt{28x^3} = 2x\sqrt{7x}$



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