



# Simplifying Radical Expressions

Version 1

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

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

Score: \_\_\_\_\_

Direction: Simplify each radical. Show all your work in the space provided.

1) $\sqrt{28}$	2) $\sqrt{75}$
3) $\sqrt{16x^2y^2}$	4) $\sqrt{12x^3y^5}$
5) $\sqrt{147m^6n^2k^7}$	6) $\sqrt{80ab^{11}c^{12}}$
7) $\sqrt{245h^4k^6w^9}$	6) $\sqrt{256m^{22}p^{23}q^{24}}$



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

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

Score: \_\_\_\_\_

Direction: Simplify each radical. Show all your work in the space provided.

1) $\sqrt{28}$  $2\sqrt{7}$	2) $\sqrt{75}$  $5\sqrt{3}$
3) $\sqrt{16x^2y^2}$  $4xy$	4) $\sqrt{12x^3y^5}$  $2xy^2\sqrt{3xy}$
5) $\sqrt{147m^6n^2k^7}$  $7k^3m^3n\sqrt{3k}$	6) $\sqrt{80ab^{11}c^{12}}$  $4b^5c^6\sqrt{5ab}$
7) $\sqrt{245h^4k^6w^9}$  $7h^2k^3w^4\sqrt{5w}$	6) $\sqrt{256m^{22}p^{23}q^{24}}$  $16m^{11}p^{11}q^{12}\sqrt{p}$