



Simplifying Radical Expressions

Name: _____

Date: _____

Score: _____

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

1) $\sqrt{40}$	2) $\sqrt{63}$
3) $\sqrt{75x^3yz}$	4) $\sqrt{112x^3y^3z^3}$
5) $\sqrt{396m^5n^4k^8}$	6) $\sqrt{320a^7b^6c^9}$
7) $\sqrt{400h^2k^3w^4}$	6) $\sqrt{147m^{20}p^{17}q^{15}}$



Simplifying Radical Expressions

Version 2

Name: _____

Date: _____

Score: _____

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

1) $\sqrt{40}$ $2\sqrt{10}$	2) $\sqrt{63}$ $3\sqrt{7}$
3) $\sqrt{75x^3yz}$ $5x\sqrt{3xyz}$	4) $\sqrt{112x^3y^3z^3}$ $4xyz\sqrt{7xyz}$
5) $\sqrt{396m^5n^4k^8}$ $6k^4m^2n^2\sqrt{11m}$	6) $\sqrt{320a^7b^6c^9}$ $8a^3b^3c^4\sqrt{5ac}$
7) $\sqrt{400h^2k^3w^4}$ $20hk^2\sqrt{k}$	6) $\sqrt{147m^{20}p^{17}q^{15}}$ $7m^{10}p^8q^7\sqrt{3pq}$