

Simplify the following radicals

1. $\sqrt{125x^{10}}$	7. $\sqrt{65s^4} =$
2. $\sqrt{49n^7} = 7n^3\sqrt{n}$	8. $\sqrt{400x^3y^7} = 20xy^3\sqrt{xy}$
3. $\sqrt{24w^6r^8}$	9. $\sqrt{74w^{12}}$
4. $\sqrt{54x^{15}y^2} = 3x^7y\sqrt{6x}$	10. $\sqrt{124t^7} = 2t^3\sqrt{31t}$
5. $\sqrt{45r^8s^7t^{100}}$	11. $\sqrt{20x^5y^7}$
6. $\sqrt{88x^2y} = 2x\sqrt{22y}$	12. $\sqrt{28y^{40}} = 2y^{20}\sqrt{7}$