# 9.4 – Simplifying Radicals with Variables

Simplify the following radicals.

1. $\sqrt{x^4} =$ 

2. $\sqrt{36x^8} =$

3. $\sqrt{98x^9y^4} =$ 

4. $5\sqrt{300x^{16}} =$

5. $\sqrt{x^5} =$ 

6. $\sqrt{24x^7} =$

7. $\sqrt{72x^9y^{13}} =$