**15.1a – Simplifying Radicals with Variables**

Simplify the following radicals.

|  |  |
| --- | --- |
| 1. $\sqrt{x^{4}}=$
 | 1. $\sqrt{36x^{8}}=$
 |
| 1. $\sqrt{98x^{9}y^{4}}=$
 | 1. $5\sqrt{300x^{16}}=$
 |
| 1. $\sqrt{x^{5}}=$
 | 1. $\sqrt{24x^{7}}=$
 |
| 1. $\sqrt{72x^{9}y^{13}}=$
 |  |