

## Chapter 5B Review

## Sections 5-5 – 5-9

Simplify the following:

1.  $\sqrt{220}$

5.  $2\sqrt{12} - 3\sqrt{27} + 2\sqrt{48}$

2.  $\pm\sqrt{96}$

6.  $(2\sqrt{3} + 3\sqrt{5})(3 - \sqrt{3})$

3.  $\sqrt{54x^3y^{12}}$

7.  $\frac{1-\sqrt{3}}{5+\sqrt{3}}$

4.  $\sqrt[3]{24x^3y^5z^{10}}$

Write the following in Radical Form:

8.  $7^{\frac{1}{3}}$

9.  $5^{\frac{2}{9}}$

Write the following in Exponential Form:

10.  $\sqrt{34}$

11.  $\sqrt[4]{3x^3}$