

## 1-3 Simplifying Radicals #1

\_\_\_\_\_ 1. Simplify  $\sqrt{-4}$

\_\_\_\_\_ 2. Simplify  $\sqrt[3]{8a^4b^6}$

\_\_\_\_\_ 3. Simplify  $\sqrt{-40}$

\_\_\_\_\_ 4. Simplify  $\sqrt{-80a^2}$

\_\_\_\_\_ 5. Simplify  $\sqrt{20a^7y^2}$

## 1-3 Simplifying Radicals #2

\_\_\_\_\_ 1. Simplify  $\sqrt{-8}$

\_\_\_\_\_ 2. Simplify  $\sqrt[3]{16a^3b^6}$

\_\_\_\_\_ 3. Simplify  $\sqrt{200}$

\_\_\_\_\_ 4. Simplify  $\sqrt{20a^8}$

\_\_\_\_\_ 5. Simplify  $\sqrt{12a^4y^2}$

## 1-3 Simplifying Radicals #3

\_\_\_\_\_ 1. Simplify  $\sqrt{27}$

\_\_\_\_\_ 2. Simplify  $\sqrt[3]{a^4b^6c^5}$

\_\_\_\_\_ 3. Simplify  $\sqrt{300}$

\_\_\_\_\_ 4. Simplify  $\sqrt{-50a^2}$

\_\_\_\_\_ 5. Simplify  $\sqrt{10a^2b^4y^3}$