**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Simplifying Radicals**

**Worksheet 11.4 D**

**1.** $ \sqrt{20}$ + $\sqrt{5}$ **2.** $\sqrt{28}$ + $\sqrt{7}$ **3.** 5$\sqrt{3}$ – $\sqrt{75}$

**4.** $\sqrt{48}$ + $\sqrt{75}$ **5.** $\sqrt{12}$ - 2$\sqrt{3}$ **6.** 4$\sqrt{3}$ ∙ $\sqrt{18}$

**7.** 5$\sqrt{6}$ ∙ $\sqrt{3}$ **8.** 4$\sqrt{5}$ ∙ $\sqrt{10}$ **9.** 3$\sqrt{2}$ ∙ 4$\sqrt{7}$

**10.** (5$\sqrt{3}$)² **11.** $\sqrt{12}$ **12.** $\sqrt{32}$

**13.** $\sqrt{48}$ **14.**  $\sqrt{20}$ **15.** $\sqrt{200}$

**16.** $\sqrt{75}$ **17.** $\sqrt{18}$ **18.** $\sqrt{24}$

**19.** $\sqrt{175}$ **20.** $\sqrt{28}$ **21.** $\sqrt{72}$

**22.** $\sqrt{99}$