Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Simplify the following radicals. Use Factoring to identify and pull out the perfect squares. Express your answer in simplest terms:

$\sqrt{50} $ $\sqrt{8}$ $\sqrt{12} $

$\sqrt{72} $ $\sqrt{45}$ $\sqrt{56} $

$\sqrt{147} $ $\sqrt{275} $ $\sqrt{63} $

$\sqrt{242} $ $\sqrt{80} $ $\sqrt{300} $