Radical Practice Worksheet

Name _____ **Date** _____

1. List the 5 steps to simplifying radicals. What happens when there is a constant in front of the radical?

2. Determine whether or not the following radicals can be simplified.

a) $\sqrt{98}$ Yes No

b) $\sqrt{47}$ Yes No

c) $-\sqrt{36}$ Yes No

3. Simplify the following radicals. Use the progress boxes to check off each step as you complete it.

a) $\sqrt{180}$

☐ Find the largest perfect square that divides into the radicand

☐ Separate the radicand into the product of the two numbers

☐ Give each of the numbers its own radical sign

☐ Simplify the perfect square

☐ You have your answer!