

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

**Simplifying Radicals**

Simplify each radical. Make sure your answers are in radical form and not in decimal form. Be sure to show all work.

$$\sqrt{144}$$

$$\sqrt{90}$$

$$\sqrt{27}$$

$$\sqrt{48}$$

$$\sqrt{120}$$

$$\sqrt{450}$$

$$\sqrt{108}$$

$$\sqrt{40}$$

$$\sqrt{724}$$

Directions: Write each of the expressions in the simplest form. There is an answer bank for your reference. Not all of the answers will be used.

ANSWER BANK:			
$10\sqrt{2}$	$4\sqrt{5}$	$16\sqrt{2}$	$9\sqrt{6}$
$2\sqrt{6}$	$8\sqrt{2}$	$5\sqrt{10}$	$3\sqrt{6}$

Write in simplest form: $\sqrt{200}$	
Write in simplest form: $\sqrt{128}$	
Write in simplest form: $\sqrt{24}$	
Write in simplest form: $\sqrt{80}$	
Write in simplest form: $\sqrt{250}$	
Write in simplest form: $\sqrt{54}$	