

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Score: \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_ % = \_\_\_\_\_

## HW 6-7 - Simplify Roots

DO NOT USE A SCIENTIFIC CALCULATOR ON THIS ASSIGNMENT!

Simplify each expression.

1.  $\sqrt{169} = 13$

2.  $\sqrt{5}$

3.  $\sqrt{40} = 2\sqrt{10}$

4.  $\sqrt{36}$

5.  $\sqrt{35} = \sqrt{35}$

6.  $\sqrt{32}$

7.  $\sqrt{25} = 5$

8.  $\sqrt{64}$

9.  $\sqrt{99} = 3\sqrt{11}$

10.  $\sqrt{30}$

11.  $\sqrt{50} = 5\sqrt{2}$

12.  $\sqrt{90}$

Simplify each expression.

13.  $\sqrt{75} = 5\sqrt{3}$

14.  $\sqrt{27}$

15.  $\sqrt{72} = 6\sqrt{2}$

16.  $\sqrt{45}$

17.  $\sqrt{16} = 4$

18.  $\sqrt{140}$

19.  $\sqrt{6}$

20.  $\sqrt{12}$

21.  $\sqrt{132} = 2\sqrt{33}$

22.  $\sqrt{21}$

23.  $\sqrt{20} = 2\sqrt{5}$

24.  $\sqrt{24}$