

Name \_\_\_\_\_ Per \_\_\_\_\_

LO: I can simplify radical expressions including adding, subtracting, multiplying, dividing and rationalizing denominators.

 (1) **Simplifying Radicals: Finding hidden perfect squares and taking their root. NO CALCULATOR!**

No calculator

Simplify each expression by factoring to find perfect squares and then taking their root.

1)  $\sqrt{75}$

2)  $\sqrt{16}$

3)  $\sqrt{36}$

4)  $\sqrt{64}$

5)  $\sqrt{80}$

6)  $\sqrt{30}$

7)  $\sqrt{8}$

8)  $\sqrt{18}$

9)  $\sqrt{32}$

10)  $\sqrt{12}$

11)  $\sqrt{8}$

12)  $\sqrt{108}$

13)  $\sqrt{125}$

14)  $\sqrt{50}$

15)  $\sqrt{175}$

16)  $\sqrt{28}$

17)  $\sqrt{45}$

18)  $\sqrt{72}$

19)  $\sqrt{20}$

20)  $\sqrt{150}$