

Algebra 1CP Practice Quiz 10.1

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

Show All Work!!!

Simplify each radical.

1)  $\sqrt{80}$

2)  $\sqrt{3} \cdot \sqrt{40}$

3)  $4\sqrt{7} \cdot \sqrt{7}$

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

8) \_\_\_\_\_

9) \_\_\_\_\_

10) \_\_\_\_\_

4)  $7\sqrt{5} \cdot 8\sqrt{35}$

5)  $\sqrt{64a^2b^4}$

6)  $\sqrt{\frac{7}{5}}$

7)  $\sqrt{\frac{7}{8}} \cdot \sqrt{\frac{1}{4}}$

8)  $\sqrt{\frac{18}{m^2}}$

9)  $\frac{3}{5+\sqrt{3}}$

10. Jasmine calculated the height of her team's soccer goal to be  $\frac{21}{\sqrt{7}}$  feet. Simplify the expression.