

Name: \_\_\_\_\_

## Square Roots & Cube Roots Home Work

For 1–5, find the TWO square roots for each.

1. 225      2. 121      3. 256      4. 81      5. 16

#1: \_\_\_\_\_      #2: \_\_\_\_\_      #3: \_\_\_\_\_      #4: \_\_\_\_\_      #5: \_\_\_\_\_

For 6–10, find the square root to the nearest TENTH for each.

6.  $\sqrt{80}$       7.  $\sqrt{328}$       8.  $-\sqrt{35}$       9.  $\sqrt{87}$       10.  $\sqrt{409}$

#6: \_\_\_\_\_      #7: \_\_\_\_\_      #8: \_\_\_\_\_      #9: \_\_\_\_\_      #10: \_\_\_\_\_

For 11–15, find the cube root for each.

11. 8      12. 1      13. 216      14. 512      15. 1,000

#11: \_\_\_\_\_      #12: \_\_\_\_\_      #13: \_\_\_\_\_      #14: \_\_\_\_\_      #15: \_\_\_\_\_

For 16–30, evaluate each completely.

16.  $-\sqrt{169}$

17.  $\sqrt{361}$

18.  $\sqrt{-256}$

19.  $\sqrt[3]{-64}$

20.  $\sqrt{144}$

#16: \_\_\_\_\_

#17: \_\_\_\_\_

#18: \_\_\_\_\_

#19: \_\_\_\_\_

#20: \_\_\_\_\_

21.  $\sqrt[3]{-27}$

22.  $\sqrt{324}$

23.  $\sqrt[3]{512}$

24.  $\sqrt{-400}$

25.  $\sqrt[3]{1,000}$

#21: \_\_\_\_\_

#22: \_\_\_\_\_

#23: \_\_\_\_\_

#24: \_\_\_\_\_

#25: \_\_\_\_\_

26.  $\sqrt{225}$

27.  $-\sqrt{225}$

28.  $\sqrt[3]{125}$

29.  $\sqrt[3]{216}$

30.  $\sqrt{289}$

#26: \_\_\_\_\_

#27: \_\_\_\_\_

#28: \_\_\_\_\_

#29: \_\_\_\_\_

#30: \_\_\_\_\_