

Name: _____ Period: _____

Score: _____/_____
_____ %

HW 6-6: Estimate & Order Rational Numbers

DO NOT USE A CALCULATOR ON THIS ASSIGNMENT!

Between which two consecutive integers is each square root?

1. $\sqrt{21}$

4. $\sqrt{110}$

7. $\sqrt{373}$

2. $\sqrt{5}$

5. $\sqrt{43}$

8. $\sqrt{218}$

3. $\sqrt{87}$

6. $\sqrt{270}$

9. $\sqrt{20}$

Estimate each square root to the tenths place.

10. $\sqrt{12}$

13. $\sqrt{56}$

11. $\sqrt{32}$

14. $\sqrt{126}$

12. $\sqrt{140}$

15. $\sqrt{27}$

Fill in each blank with $>$, $<$, or $=$ to make a true statement.

16. $\sqrt{10}$ _____ 3.4

20. $-\sqrt{100}$ _____ 10

17. 7 _____ $\sqrt{7}$

21. $\sqrt{10}$ _____ $\sqrt{15}$

18. 7^2 _____ $-\sqrt{49}$

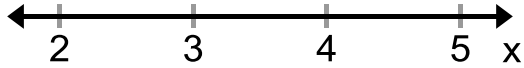
22. 4^2 _____ $\sqrt{256}$

19. $\sqrt{15}$ _____ 3.5

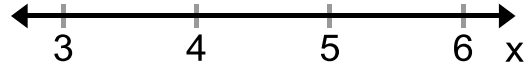
23. 8 _____ $\sqrt{58}$

Place each of the point on the number line given.

24. $A = 3.2$
 $B = \sqrt{15}$
 $C = \sqrt{8}$
 $D = 4.1$
 $E = \sqrt{20}$



25. $F = \sqrt{30}$
 $G = \sqrt{16}$
 $H = 4.7$
 $I = \sqrt{35}$
 $J = \sqrt{26}$



Order the following from least to greatest.

26. 7.3 , $\sqrt{36}$, $\sqrt{40}$, 6.9 , $\sqrt{49}$, 7.4%

27. 11 , $\sqrt{102}$, 10.8 , $\sqrt{123}$, 10.5 , 120%

28. $\sqrt{289}$, 16.5 , $\sqrt{256}$, 17.2 , $\sqrt{280}$

