

Name: Selected Answers 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 \dagger 5

4. $\sqrt{110}$

7. $\sqrt{373}$

19 \dagger 20

2. $\sqrt{5}$

5. $\sqrt{43}$

6 \dagger 7

8. $\sqrt{218}$

3. $\sqrt{87}$

9 \dagger 10

6. $\sqrt{270}$

9. $\sqrt{20}$

4 \dagger 5

Estimate each square root to the tenths place.

10. $\sqrt{12}$

13. $\sqrt{56}$

7.5

11. $\sqrt{32}$

5.7

14. $\sqrt{126}$

12. $\sqrt{140}$

15. $\sqrt{27}$

5.2

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. $A = 3.2$

$$B = \sqrt{15}$$

$$C = \sqrt{8}$$

$$D = 4.1$$

$$E = \sqrt{20}$$

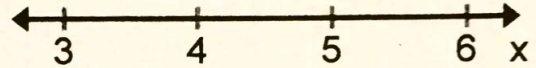
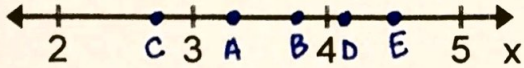
25. $F = \sqrt{30}$

$$G = \sqrt{16}$$

$$H = 4.7$$

$$I = \sqrt{35}$$

$$J = \sqrt{26}$$



Order the following from least to greatest.

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

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

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

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