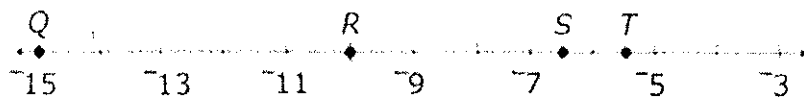


Name: _____

Approximating Square Roots Homework

- 1) Which letter is located at about $\sqrt{30}$ on the number line below?



- A Q
B R
C S
D T
- 2) The value of $\sqrt{27}$ is between which two consecutive integers?

- A 27 and 28
B 13 and 14
C 5 and 6
D 2 and 3

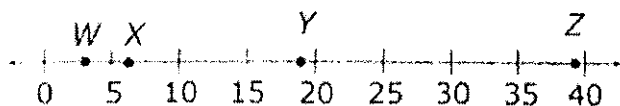
- 3) What is the **approximate** difference between $\sqrt{120}$ and $\sqrt{80}$?

- A 2
B 4
C 20
D 40

- 4) Which number below is greater than 3 but less than 6?

- A $\sqrt{50}$
B $\sqrt{8}$
C $\sqrt{15}$
D $\sqrt{5}$

- 5) Which point is located at **approximately** $\sqrt{39}$ on the number line below?



- A W
B X
C Y
D Z

6. The value of $\sqrt{54}$ is between which two consecutive integers

7. Draw a number line. Label the two consecutive integers $\sqrt{54}$ falls between. Place $\sqrt{54}$ on the number line

8. Jacqueline and her Dad are building a boat. They need a board that is $\sqrt{93}$ inches wide. About how wide is the board?

9. What is the approximate value of $\sqrt{24} + \sqrt{50}$

10. Change to a fraction $2.\overline{13}$

11. Solve $3.\overline{03} \times 1\frac{1}{3}$

STUDY GUIDE DUE TOMORROW!! FORMAL ON FRIDAY!