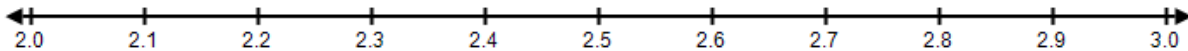


# Irrational Numbers

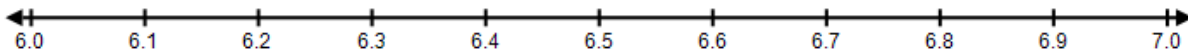
Compare the following numbers with  $<$ ,  $>$ , or  $=$ .

1. $\sqrt{7}$	2.236068...	4. 1.239540493...	$\sqrt{10}$
2. $\sqrt{23}$	$\sqrt{44}$	5. 7.4161985...	$\sqrt{55}$
3. $-\sqrt{73}$	$\sqrt{73}$	6. $\sqrt{95}$	$\sqrt{85}$

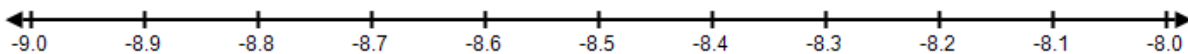
7. Plot  $\sqrt{6}$  on the following number line.



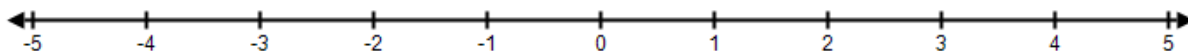
8. Plot  $\sqrt{47}$  on the following number line.



9. Plot  $-\sqrt{77}$  on the following number line.



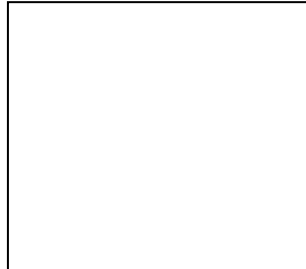
10. Plot  $\sqrt{3}$ ,  $\sqrt{4}$ ,  $-\sqrt{5}$ , and  $\sqrt{18}$  on the following number line.



# Irrational Numbers

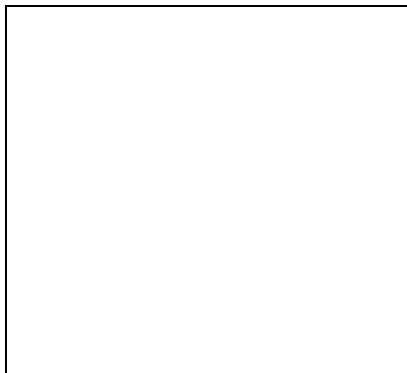
Find the dimensions of the following squares.

11. Area =  $25 \text{ in}^2$



Side length = \_\_\_\_\_

12. Area =  $36 \text{ in}^2$



Side length = \_\_\_\_\_

13. Stephanie's bedroom is a square with an area of 100 square feet. What is the length of each side of her bedroom?

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