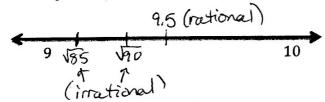
Use the symbols >, <, or = to compare the numbers below.

- 1.  $\sqrt{40} > 6.3$
- 2.  $\pi > \sqrt{9}$
- 3.  $-\sqrt{21} < -\sqrt{20}$
- 4.  $3\pi > 3^2$
- 5. Create a number line from 9 to 10. Identify and place two irrational numbers and one rational number between 9 and 10. Explain why these numbers are irrational or rational.



- 6. Which decimal is the equivalent of  $\frac{7}{12}$ ? Circle your answer, then justify it in the space provided.

  (A.) 0.58 $\overline{3}$ B.  $\overline{0.583}$ C. 0.583

  D. 0.583
- 7. Classify each of the numbers below. Circle ALL that apply.
  - a. -8
- real
- irrational irrational
- (ationa) rational
- (rational
- (integer) integer
- whole whole

whole

natural natural

natural

- d. 1.576777...
- irrational irrational
- (rational) rational
- integer
- whole whole
- natural natural

- 1552 real irrational Not real!
- 8. Your friend tells you that it is impossible to find  $\sqrt{123}$  because it is irrational. Prove whether they are or are not correct.

	<b></b>	V123	
11+12=23	V121		V144
$\frac{123}{-121}$	1(		12
1			

9. Complete the table below. Show your work!

Decimal	Fraction	
10. 0,83	5/6	
0. 52	11. 52	
0.65	$12.\frac{\cancel{65}}{\cancel{100}} = \frac{\cancel{13}}{\cancel{20}}$	