Name:_____ Per. _____

Symbol	Category	Definition
N		
W		
Z		
Q		
I		
R		

Identify every category that each of the following numbers belong to.

Number	Categories
19	
0	
1.323323332..	
1.323232....	
$\frac{3}{5}$	
π	
4.66666....	
-5	
147	
$17.12\overline{12}$	
3.141592....	
5.44	
-2.6	
4π	

Name _____ Class _____ Date _____

1-2 Practice

Form G

Properties of Real Numbers

Classify each variable according to the set of numbers that best describes its values.

1. the area of the circle A found by using the formula πr^2

2. the number n of equal slices in a pizza; the portion p of the pizza in one slice

3. the air temperature t in Saint Paul, MN, measured to the nearest degree Fahrenheit

4. the last four digits s of a Social Security number

Graph each number on a number line.

5. -1

6. $\sqrt{3}$

7. 2.8

8. $-2\frac{1}{2}$

Compare the two numbers. Use $>$ or $<$.

9. $-\sqrt{2}, -2$

10. $4, \sqrt{17}$

11. $\sqrt{29}, 5$

12. $\sqrt{50}, 6.8$

13. $11, \sqrt{130}$

14. $-6, -\sqrt{30}$

15. $7\frac{1}{2}, \sqrt{67}$

16. $-\sqrt{10}, -\sqrt{12}$

Name the property of real numbers illustrated by each equation.

17. $2(3 + \sqrt{5}) = 2 \cdot 3 + 2 \cdot \sqrt{5}$

18. $16 + (-13) = -13 + 16$

19. $-7 \cdot \frac{1}{-7} = 1$

20. $5(0.2 \cdot 7) = (5 \cdot 0.2) \cdot 7$