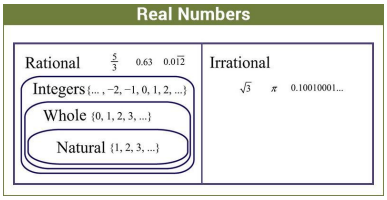
Algebra 2 Name _____
Reteach 1.1-3

Real Numbers



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

1. the number of students in your class

2. the area of the circle A found by using the formula $A = \pi r^2$
To start, make a list of some numbers that could describe the area of a circle.

3. the elevation e of various land points in the United States measured to the nearest foot

Name the property of real numbers illustrated by each equation.

4. $\frac{2}{3} \cdot \frac{3}{2} = 1$

5. $6(2 + x) = 6 \cdot 2 + 6 \cdot x$

6. $2 \cdot 20 = 20 \cdot 2$

7. $8 + (-8) = 0$

8. $2(0.5 \cdot 4) = (2 \cdot 0.5) \cdot 4$

9. $-11 + 5 = 5 + (-11)$

Identify a pattern and find the next three numbers in the pattern.

10. $-5, -10, -20, -40, \ldots$

11. $5, 8, 11, 14, \ldots$

12. $3, 1, -1, -3, \ldots$

13. $1, 3, 6, 10, 15, \ldots$

14. $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}, \ldots$

15. $10, 9, 6, 1, -6, \ldots$

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Solve for variable

Rewrite each equation to solve for *m*.

1. $m + 3n = 7$

2. $3m - 9n = 24;\ n = -1, 1, 3$

3. $-5n = 4m + 8$

4. $2m = -6n - 5;\ n = 1, 2, 3$

Rewrite each equation to solve for *x*.

9. $fx - gx = h$

10. $qx + x = r$

11. $m = \frac{x + n}{p}$

12. $d = f + fx$

13. $-3(x + n) = x$

14. $\frac{x - 4}{y + 2} = 5$