<u>Week of January 27th Warm- Up Assignments</u>

Algebra 1 Coach Book

Monday- January 27, 2020

1) In the expression $7x - 9$, the variable is x.
2) In the expression $3^y + 12$, the constant term is 12.
3) In the expression $90 + 5z$, the coefficient is 5.
4) In the equation $t = 0.7n - 1.3$. the dependent variable is t.
5) B. the cost of hours to complete the job, x
6) B. the cost per hour, $65
7) D. the flat fee, $50
8) C. the total cost for the job, y

10) x represents the hours it takes Bryn to ride his bicycle from school to the library; y represents Bryn total distance, in kilometers, from school to the library; 20 represents the constant speed that that Bryn travels; 12 presents the distance from the library to the school in kilometers.

11) - (lw) represents the new entity of area

- No, the first term lw and the second term h are not dependent on each other. However, the volume (V) is dependent of the length, width and/or height

Tuesday- January 28, 2020

1) Additive identity property
2) Commutative property of addition
3) Distributive property of multiplication over subtraction
4) Multiplicative identity property
5) Reflexive property
6) Transitive property of equality
7) Symmetric property of equality
8) Substitution property of equality
9) A. Step 1
10) C. Step 3

Wednesday, January 29, 2020

11) - Commutative property of addition
- Additive identity property
- Division property of equality

12) – Distributive property of multiplication over subtraction
  - Addition property of equality
  - Multiplicative inverse property

13) $x + 6 = 8$
   $\underline{-6 \quad -6}$
   $x = 2$ Property: Subtraction property of equality

14) $y = -5$
   $x = y$
   $x = -5$ Property: Substitution property of equality

15) The quantity of *a times b* multiplied by *c* equals *a* multiplied by the quantity of *b times c*

16) Method 1: Given; division property of equality

Method 2: Given; multiplicative inverse property

The relationship between the properties that Alexa used tells us that the properties are inverses of each other.