Pre-test **Unit Linear Equations in One Variable** **Time 10 minutes**

Subject Mathematics Semester 1 **Mathayomsuksa 1** **Questions 10**

Direction: Choose the best answer.

1. Which of the following is the equation? (Remember, MA 1.3 G.7/1)

A. $2x = 15$

B. $3x > 2$

C. $12x + 4 \neq 0$

D. None of the above

2. Which of the following statement is not true? (Remember, MA 1.3 G.7/1)

A. The **reflection** property of equality represents "for all real numbers x, $x = x$. The number is equal to itself."

B. The **symmetry** property of equality represents "for all real numbers x and y, if $x = y$, then $y = x$."

C. The addition property of equality represents "$x = y$ is *not* equivalent to $x + c = y + c$"

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D. The **subtraction** property of equality represents "$x = y$ is equivalent to $x - c = y - c$"

3. What is the solution of the equation a + 4 = 4 + a?
(Understand, MA 1.3 G.7/1)

A. 0

B. 16

C. Any number

D. There is no answer to the equation.

4. What is the solution of the equation a - 69 = 69 – a?
(Understand, MA 1.3 G.7/1)

A. 0

B. 69

C. Any number

E. There is no answer to the equation.

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5. If x = 7 and 7 = x, is the _____ property of equality. (Remember, MA 1.3 G.7/1)

   A. Reflection

   B. Symmetric

   C. Commutative

   D. Multiplication

6. If $\frac{XY}{Z} = \frac{AB}{C}$, then C is equal to _____. (Understand, MA 1.3 G.7/1)

   A. $\frac{XY}{ABZ}$ B. $\frac{AX}{BYZ}$ C. $\frac{ABZ}{XY}$ D. $\frac{BX}{AYZ}$

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7. which of the following is the solution of $\frac{3(a-1)}{5} = 9$ (Understand, MA 1.3 G.7/1)

A. 13.5 B. 14 C. 16 D. 17.5

8. If $3a = 18, \frac{b}{3} = 2, c + 4 = 7$ and $d + 8 = 1, \frac{a-bd}{c}$ is equal to _____.
(Understand, MA 1.3 G.7/1)

A. 16 B. -12 C. 13 D. 15.33

9. What is the value of 27 less than 49. (Analysis, MA 1.3 G.7/1)

A. 27 B. 22 C. 72 D. 76

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10. Five years ago, Ake is twice as old as Anne. In the next 3 years, Anne will be 10 years younger than Ake. How old is Ake now? (Application, MA 1.3 G.7/1)

A. 25 years old

B. 28 years old

C. 30 years old

D. 35 years old