197 • Expressions and Equations

At the snack bar, a hot dog costs $1.50. The number of customers who buy hot dogs each day varies. The snack bar owner wants to calculate how much money he earned from selling hot dogs yesterday. In this situation, which variable is the independent variable?

a) the cost, $1.50, of the hot dog

b) the number of customers who bought a hot dog

c) the number of customers who bought a hamburger

Name _____

Period _____

Math Review Sheet #4

Due Date _____

187 • Expressions and Equations

Aleisha spent 72 minutes studying math, Spanish, and science. She spent the same amount of time on each subject. How many minutes (s) did she spend studying each subject? Which equation helped you find this solution?

a) $3s = 72$; 24 minutes

b) $3s = 72 + 3s$; 18 minutes

c) $72s + 3$; 24 minutes

193 • Expressions and Equations

Which number line represents the solution for $x < 5$?

a) 

b) 

c) 

143 • Expressions and Equations

Evaluate $2^3 + 4^2 - 2(3^2)$.

a) 6

b) 18

c) 42

189 • Expressions and Equations

Yolanda must have more than $10 in her bank account at all times. Otherwise, she is charged a service fee by her bank. Which inequality represents the amount of money (m) she needs to have in her bank account to avoid service fees from her bank?

a) $m > 10$

b) $m < 10$

c) $m \geq 10$

87 • The Number System

In which quadrant is the coordinate pair (-12, -5)?

a) Quadrant I

b) Quadrant II

c) Quadrant III

171 • Expressions and Equations

Which answer is the solution to $y^3 + 12 = 137$

a) 2

b) 5

c) 6

8. Which equations have 6 as a solution? Check all that apply.

☐A. $9c = 55$ ☐C. $c + 4 = 10$

☐B. $11 - c = 5$ ☐D. $36 \div c = 6$

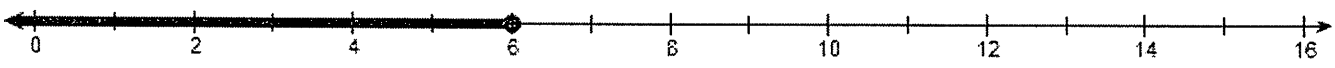
9. Circle the number that is a solution to $4x + 7 = 43 - 2x$. Show proof to justify your choice

3 6 OR 8

10. Which equations have 4 as a solution? Circle all that apply.

$8m - 1 = 3m + 19$ $6m = 44 - 5m$ $7m + 4 = 52 - 5m$ $20 \div m = 7 - m$

11. Check all the inequalities with solutions that have this graph.



☐A. $2x \leq 12$ ☐B. $x \div 4 > 2$ ☐C. $x \div 3 \leq 2$ ☐D. $x - 2 \geq 6$

☐E. $x \div 3 \geq 18$ ☐F. $x + 4 \leq 10$ ☐G. $x - 2 \leq 4$ ☐H. $2x < 6$