

7th Grade Math 2nd 9Wks Test Study Guide

1. Sarah earns \$7.50 per hour babysitting. Which equation shows her pay, p , if she babysits for q hours?
 - a. $p = 7.50q$
 - b. $p = q + 7.50$
 - c. $p = q - 7.50$
 - d. $p = 7.50 \div q$
2. What is the correct choice to simplify the expression $(4a + 3b) - (2a - d) + (-5b + 3d)$?
 - a. $2a - 8b - 4d$
 - b. $2a - 2b + 2d$
 - c. $2a - 2b + 4d$
 - d. $2a + 2b - 4d$
3. Evaluate $\frac{x-y}{x+y}$ for $x = 12$ and $y = 9$. What is the answer in its simplest form?
 - a. $\frac{1}{7}$
 - b. $\frac{3}{21}$
 - c. $\frac{7}{1}$
 - d. $\frac{1}{1}$
4. Evaluate $3a - b$ when $a = -2$ and $b = 5$.
 - a. 17
 - b. -11
 - c. -1
 - d. 1
5. What is the solution to the equation $4x - 2 = -10$?
 - a. -3
 - b. -3
 - c. -2
 - d. 7
6. Mrs. Darnell gave each student in all the 7th grade math classes 2 pencils. She gave out 984 pencils altogether. Which equation can help determine n , the number of students in all the 7th grade math classes?
 - a. $984 - n = 2$
 - b. $2 + n = 984$
 - c. $\frac{n}{2} = 984$
 - d. $2n = 984$