

Ms. Wang
Quiz Chapter 6 and Chapter 7.1 & 7.2

Name _____
Date _____ Class _____

A. Write an expression to match each phrase.

1. five times a number x , decreased by seven
2. Six less than a number
3. the quotient of 20 and y , increased by five
4. the difference of 17 and a number x , divided by 6
5. four times a number x , decreased by one
6. A number m added to 3 equals 15
7. 22 is twice a number w

B. Solve the following equations to find the value of n

a) $n - 5 = 20$

b) $n + 17 = 29$

c) $4n = 16$

d) $2(n - 7) + 12 = 10$

e) $6n + 7 = 5n + 16$

f) $3(n + 6) + 17 = 10$

C. Solve each inequality and graph its solution.

a) $9 + x < 13$

b) $-2 + n > 4$

D. Multiple Choices

1. Evaluate the expression, $a+8$, when $a = 7$

- a) 14
- b) 15
- c) -14
- d) -15

2. Tell whether the given value is a solution of the equation. $p + 10 = 38$; $p = 18$

- a) True
- b) False

3. Your aunt gives you \$50 to help buy the reflector telescope (\$275). After you buy the telescope, you have \$25 left. How much money did you have before your aunt gave you \$50?

- a) 260
- b) 250
- c) 290
- d) 180

4. You climb 12 feet up a climbing wall that is 25 feet high. What is the remaining distance to the top?

- a) 11
- b) 12
- c) 13
- d) 14

5. You get in an elevator and go up 4 floors. You exit on the 12th floor. Write and solve an equation to find what floor you got on the elevator.

6. Bonus question (3 pt) Solve each inequality and graph its solution.

$$-6 - x > 10$$