

Review Worksheet #26

NAME _____

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Section 1 - Multiple Choice

1) Solve for x .

$$5x - 3 = 22$$

- (a) 4
- (b) 5
- (c) 6
- (d) 7

2) Mark sold some tickets. Wayne sold 4 times as many tickets as Mark. Together they sold 40 tickets. How many tickets did Mark sell?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

3) Solve for x . $4x - 9 = 23$

- (a) 6
- (b) 7
- (c) 8
- (d) 9

4) Solve for x . $7x + 8 = 43$

- (a) 5
- (b) 6
- (c) 7
- (d) 8

5) To isolate the variable, what is the first step to solve the equation $3x + 4 = 16$?

- (a) subtract 4 from both sides
- (b) subtract 16 from both sides
- (c) add 4 to both sides
- (d) add 16 to both sides

6) What is n if twice n decreased by 31 is 59?

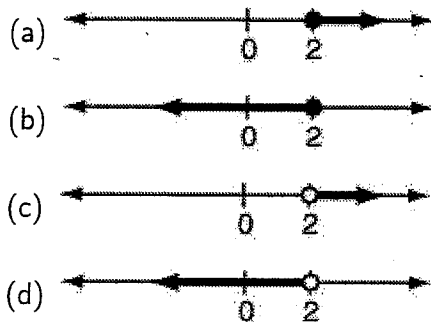
- (a) 90
- (b) 45
- (c) 28
- (d) 14

7) Solve for m .

$$13 - m = -17$$

- (a) -4
- (b) -17
- (c) 30
- (d) 47

8) Which graph below represents the inequality $2 > x$?

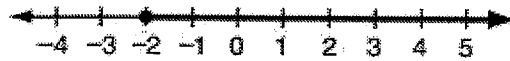


9) Solve the inequality below.

$$-3x > 39$$

- (a) $x < 13$
- (b) $x > 13$
- (c) $x < -13$
- (d) $x > -13$

10) Ginger made up a quiz for her friend to use for math practice. The first thing she said was, "Find the inequality that would fit the number line below." Which of the following expressions is the correct answer?

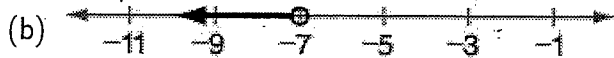
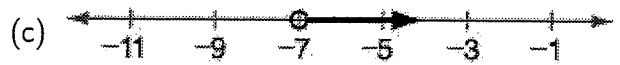


- (a) $x + 4 \geq 6$
- (b) $x - 4 \geq 6$
- (c) $x + 6 \geq 4$
- (d) $x - 6 \geq 4$

11) Which inequality could represent the sentence "Four times a number is less than the sum of the number and twelve"?

- (a) $n + 4 < n + 12$
- (b) $4n < n + 12$
- (c) $4n > n + 12$
- (d) $4n < 12n$

12) Which graph represents " y is less than -7 " ?



13) Jerry is 3 years older than Don. The sum of their ages is less than 43. What is the oldest Jerry could be?

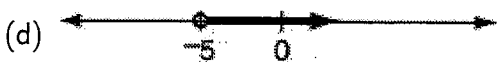
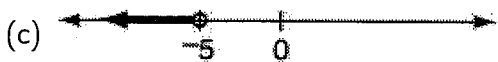
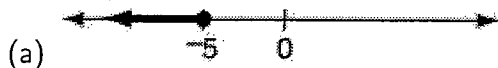
- (a) 19
- (b) 20
- (c) 22
- (d) 23

15) Solve the inequality below.

$$7x < -35$$

- (a) $x > -5$
- (b) $x < -5$
- (c) $x > 5$
- (d) $x < 5$

14) Which of the following is a graph of the inequality $x \leq -5$?



16) Solve the inequality below.

$$-x - 3 < -20$$

- (a) $x < 17$
- (b) $x > 17$
- (c) $x < -17$
- (d) $x > -17$

17) Solve the inequality below.

$$-20 > -3x + 1$$

- (a) $x > 7$
- (b) $x < 7$
- (c) $x > -7$
- (d) $x < -7$

18) Solve the inequality below.

$$48 < -4x$$

- (a) $x > -12$
- (b) $x < -12$
- (c) $x > 12$
- (d) $x < 12$

19) Solve the inequality below.

$$3x + 3 < 27$$

- (a) $x > 9$
- (b) $x < 8$
- (c) $x < 9$
- (d) $x > 10$

20) Todd and Tina went to the mall. Todd spent \$24.00. Tina's amount did *not* exceed Todd's amount by more than \$5.00. Which number sentence best describes the amount Tina spent?

x = amount Tina spent

- (a) $x \leq \$19.00$
- (b) $x = \$19.00$
- (c) $x < \$29.00$
- (d) $x \leq \$29.00$