

Review Worksheet #7

NAME \_\_\_\_\_

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### Section 1 - Multiple Choice

1)  $-4 - 6 =$

(a) 10

(b) 2

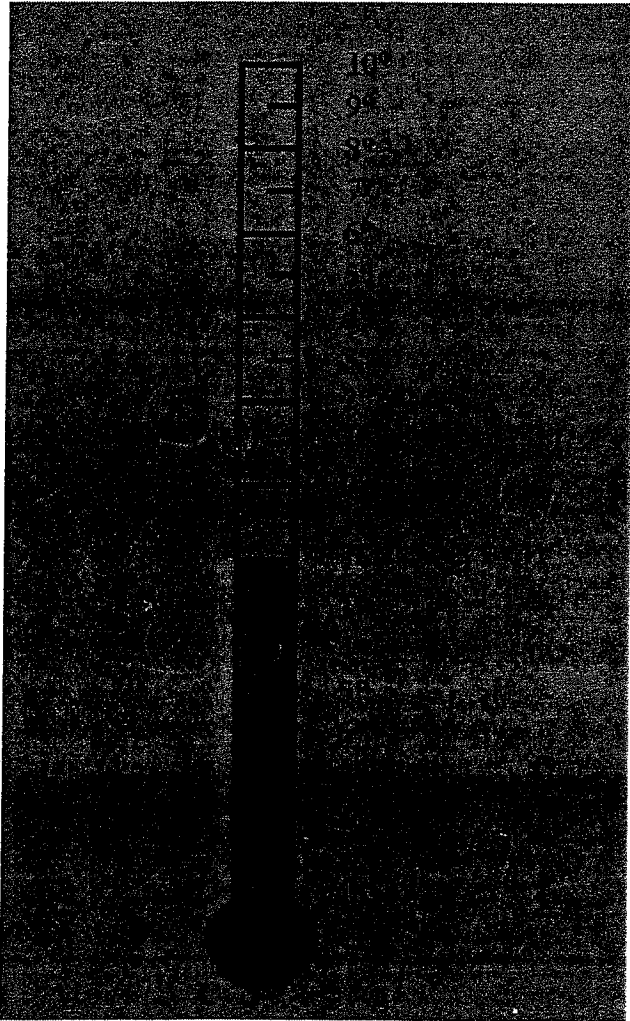
(c) -2

(d) -10

For questions 2-4

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Use the information below to answer the following questions. Luke used this thermometer as a number line to help determine the temperature.



2)

The temperature changed from  $-8^{\circ}$  to  $7^{\circ}$ . How many degrees did the temperature change by?

- (a)  $1^{\circ}$
- (b)  $-1^{\circ}$
- (c)  $15^{\circ}$
- (d)  $-15^{\circ}$

3)

In the morning the temperature was  $8^{\circ}$ . During the day it dropped  $14^{\circ}$ . What is the new temperature?

- (a)  $6^{\circ}$
- (b)  $-6^{\circ}$
- (c)  $22^{\circ}$
- (d)  $-22^{\circ}$

4)

After starting at  $-2^{\circ}$ , the temperature dropped  $5^{\circ}$ . What is the current temperature?

- (a)  $3^{\circ}$
- (b)  $-3^{\circ}$
- (c)  $7^{\circ}$
- (d)  $-7^{\circ}$

5) Solve.

$$88 \div (-4) =$$

- (a) 24
- (b) 22
- (c) -22
- (d) -24

6) What is the difference between  $-19$  and  $8$ ?

- (a)  $-27$
- (b)  $-11$
- (c) 11
- (d) 27

7) Solve.

$$9 - (-7) =$$

- (a)  $-6$
- (b)  $-63$
- (c) 2
- (d) 16

8) The table below shows the elevation of four locations in California.

<b>Location</b>	<b>Elevation</b> (Relative to sea level)
Death Valley	-282 ft
Anaheim	138 ft
Redwood National Park	3,100 ft
Sacramento	20 ft

What is the difference in elevation between the highest and lowest locations given in the table?

- (a) 144 ft
- (b) 302 ft
- (c) 2,818 ft
- (d) 3,382 ft

For questions 9-10

Use the information below to answer the following questions.

Mr. Thorton gave a history test last week. At the end of the test, he asked 4 extra credit questions; each was worth 1 point. He posted the scores by charting how many total points each student missed on the test. If a student did not miss any points and earned all of the extra credit, his/her final score would be written as +4.

Student's Name	Score
Felicia	+3
Willis	+4
Hannah	-5
Susie	-5
Luke	+1
Isabella	-6
Otis	-3

9)

How many more points did Felicia score than Isabella?

- (a) -3
- (b) 3
- (c) 6
- (d) 9

10)

How many points did Otis and Luke score if you add their scores together?

- (a) -4
- (b) -2
- (c) 1
- (d) 2

11) Solve.

$$(-42) - 17 =$$

- (a) 25
- (b) -25
- (c) -39
- (d) -59

13) Solve.

$$-14 + 23 =$$

- (a) -37
- (b) -9
- (c) 9
- (d) 27

12) What is the difference between -15 and -9?

- (a) -24
- (b) -6
- (c) 6
- (d) 135

14) Which statement is true?

- (a) The product of a negative number and a negative number is always negative.
- (b) The quotient of a positive number and a negative number is always negative.
- (c) The sum of a positive number and a negative number is always negative.
- (d) The difference between a positive number and a positive number is always negative.

15) Which statement is true when dividing with integers?

- (a) A positive dividend  $\div$  a negative divisor = a positive quotient
- (b) A negative dividend  $\div$  a positive divisor = a positive quotient
- (c) A positive dividend  $\div$  a positive divisor = a negative quotient
- (d) A negative dividend  $\div$  a negative divisor = a positive quotient

**16)** A submarine is cruising on the surface of the ocean. It dives to a depth of  $500\text{ ft}$ , then later it rises  $350\text{ ft}$ . What integer best represents its current location?

- (a)  $-150$
- (b)  $150$
- (c)  $-850$
- (d)  $850$

**17)** On a road running east and west, Kelly is 5 miles east of Kerri. Debbie is 8 miles west of Kerri. Liz is 2 miles east of Debbie. How many miles apart are Kelly and Liz?

- (a) 3
- (b) 11
- (c) 13
- (d) 20

**18)** The number  $-13$  is four less than what number below?

- (a)  $-17$
- (b)  $-9$
- (c) 9
- (d) 17

**19)** Leah had to multiply two negative numbers. What sign will the product be?

- (a) negative
- (b) positive
- (c) always the sign of the first factor
- (d) always the sign of the second factor

**20)** One city has an altitude of  $2,976$  feet above sea level. Another city has an altitude of  $235$  feet below sea level. What is the difference in altitudes?

- (a)  $-3,211$  feet
- (b)  $-2,741$  feet
- (c)  $2,741$  feet
- (d)  $3,211$  feet