Name _____ Date _____

Take Home Quiz #1

For use after Section 1.3

Find the absolute value.

1. $|8|$

2. $|-3|$

Complete the statement using $<$, $>$, or $=$.

3. $4 \underline{\quad} |-8|$

4. $|-5| \underline{\quad} |-10|$

5. $6 \underline{\quad} |2|$

6. $|-3| \underline{\quad} 3$

Order the values from least to greatest.

7. $3, |-5|, -2, 1, -4$

8. $11, |-9|, 0, |8|, -5$

Evaluate the expression.

9. $-12 + 5$

10. $4 + (-2)$

11. $-3 + (-7)$

12. $-4 - 3$

13. $9 - (-2)$

14. $-3 - (-7)$

15. A scuba diver dives down 20 feet into the ocean. He then swims 11 feet back up towards the surface. What is the position of the scuba diver relative to the surface?

16. You and your friend play a video game. You have a final score of 40 points, and your friend has a final score of -21 points. By how many points did you win?

17. The table shows the score for a golfer on the first nine holes. What is his score through nine holes?

Hole	1	2	3	4	5	6	7	8	9
Score	-1	0	$+2$	$+1$	-2	-1	-1	$+2$	-1

Answers

1. _____

2. _____

3. ___See left.___

4. ___See left.___

5. ___See left.___

6. ___See left.___

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

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Tell whether the value of the expression is *positive* or *negative* without evaluating.

Answers

1. $-36 \div 4$

2. $-5 \bullet 16$

3. $72 \div 8$

4. $-13(-9)$

Evaluate the expression.

5. $-8 \bullet 5$

6. $-3(-4)$

7. $9(-7)$

8. $-18 \div 6$

9. $\dfrac{48}{-12}$

10. $27 \div (-3)$

11. You lose 2 points every time you forget to write your name on a test. You have forgotten to write your name 4 times. What integer represents your change in points from forgetting to write your name?

12. The cost for a movie ticket is $7. The cost is reduced to $5 for groups of 10 or more. How many people must be in a group for them to save a total of $30?

13. You are swimming each 25-yard length of a swimming pool 3 seconds faster than your personal best. What integer represents your change in time of your personal best after 200 yards?

14. Pete owes his brother $35 from five weeks of borrowing money.

 a. What is the mean amount Pete borrowed from his brother each week?

 b. If Pete continues to borrow money, how much money will he owe after three more weeks?

15. Seven days ago, the gas tank on Rosa's car was filled with 20 gallons of gasoline. Today there are 6 gallons of gasoline.

 a. What integer represents the change of gasoline in the past seven days?

 b. What is the mean change in gasoline in gallons per day?

 c. What is the fuel efficiency, in miles per gallon, of Rosa's car if she drove 490 miles in the past seven days?

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. a._____

 b._____

15. a._____

 b._____

 c._____