Name: _____ Date: _____ Class: _____

1. A hot air balloon starts from the ground and floats 235ft. off the ground. It then increases another 165 ft. What is the balloon's final height?

2. Determine the absolute value of each:

   | -2| = _____ |23| = _____ |-100| = _____

3. Find the opposite of each:

   -12 _____   34 _____   -100 _____

4. Order the numbers from least to greatest: –22, 11, 1, –11, 21, –31

   _____, _____, _____, _____, _____, _____

5. Rewrite these numbers in order from smallest to largest.

   |5| -32   0   - 42   3   -3

   _____, _____, _____, _____, _____, _____

6. Circle the number with the GREATER value:

   -21 or - 22   5 or -8   -110 or 0

7. Explain the difference between ABSOLUTE VALUE and OPPOSITES.

   _____
   _____
   _____

SOLVE. SHOW ALL WORK.

8. -350 + 172 = _____

9. -245 + (-333) = _____

10. -12 x 8 = _____

11. - 48 ÷ 3 = _____

12. 27 – (-37)= _____

13. -10 – (-7) = _____

14. 75 + (-50)= _____

15. -95 + (-12) = _____

16. 2 + (-6) + (-12)= _____

17. -10 – (-7) + 5 = _____

18. 5 + -40 - (-6)= _____

19. -4(3)(-1)(-2)= _____

20. 6(-3) - 5 = _____

21. -36 ÷ -12 + 4(3)= _____

22. The list below gives monthly average low temperatures (in ° Fahrenheit) for Seneca Falls, NY from November to March.

$$51°F, \ 15°F, \ 0°F, \ -6°F, \ -13°F, \ 32°F, \ 11°F$$

   a. What is the lowest of these monthly low temperatures? _____

   b. What is the difference between the highest and lowest temperature? _____

23. Jorge dove off a cliff. The cliff was 235 feet above sea level. He dove into the water and went 25 feet below sea level. How far in total did he dive?

24. Jeff started out with $350 in his bank account. He spent $45 to buy a sweatshirt for the ballgame. He earned $25 walking dogs and $34 mowing lawns. How much money is now in his account?

25. Once a parachute is deployed, a skydiver descends at a rate of about 5 meters per second. Where will the skydiver be in relation to where the parachute deployed after 4 seconds?

26. Sarai says that $\frac{-28}{-4} = 7$, while Dove says that $\frac{-28}{-4} = -7$. Explain which of the girls is correct and why:

_____
_____
_____
_____