Absolute Value and Review of Exponents

Student Name:_____

Absolute Value
1. Find:
   a. $|-12|$
   b. $|25|$
   c. $|-47|$
   d. $|13|$

2. Which numbers have the number given as their absolute value?
   a. 150
   b. 75
   c. 14
   d. 1250

3. How would you explain to a new student how to find the absolute value of -10 and +10?

4. Find:
   a. $|32|$
   b. $|-35|$
   c. $|-55|$
   d. $|3|$

5. Which numbers have the number given as their absolute value?
   a. 72
   b. 28
   c. 155
   d. 2500

6. How would you explain to a new student how to find the absolute value of 27 and -27?

Review: Exponents

7. What is the base and exponent in the following expressions?
   a. 5^3
   b. 8^9
   c. 11^2

8. $6^2 = 36$, what does this have to do with a square?

9. $6^3 = 216$, what does this have to do with a cube?

10. $3^2 =$

11. $4^2 =$

12. $5^2 =$

13. $3^3 =$

14. $4^3 =$

15. $5^3 =$

16. $7^4 =$

17. $3^4 =$

18. $5^4 =$

19. $4^5 =$

20. $2^5 =$

21. $1^5 =$

22. What is the base and exponent in the following expressions?
    a. 3^5
    b. 5^8
    c. 15^3

23. $7^2 = 49$, what does this have to do with a square?

24. $7^3 = 343$, what does this have to do with a cube?

25. $6^2 =$

26. $7^2 =$

27. $8^2 =$

28. $7^3 =$

29. $6^3 =$

30. $8^3 =$

31. $4^4 =$

32. $2^4 =$

33. $8^4 =$

34. $10^5 =$

35. $5^5 =$

36. $3^5 =$