**2nd Semester Midterm Review** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_

Algebra 1Foundations Period:\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve the following equations. Show the algebraic steps used and check the problems with an \* by them.

1. 2. \*3. check

4. 5. \*6.

7. 8. \*9.

10. 11. \*12.

Solve for the variable indicated.

13. Solve for T 14. Solve for M

15. Solve for y 16. Solve for y

Simplify each expression by combining like terms.

17. 18.

19. 20.

Simplify using the order of operations.

21. 22. 23.

24. 25. 26.

Evaluate for a = 5, b = -1, c = 0 and d = 3.

27. 28. 29.

Solve each proportion using cross products.

30. 31. 32.

Solve each percent problem.

**33.**  What percent of 60 is 18? 34. 30% of what number is 24?

35. What number is 15% of 40?

36. On the last test Sam answered 64 problems correctly. This was 80% of

the questions. How many questions were on the test?

37. Complete the following chart with the missing equivalents.

|  |  |  |
| --- | --- | --- |
| **Percent** | **Fraction** | **Decimal** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |