

Announcement: Quiz Friday, May 10th**Homework solutions from 3/12 on will start to be posted soon. Once solutions are posted, the maximum possible score will be 60%.**

Please write your name, date, and class period in the upper right hand corner of all your work.

SHOW ALL YOUR WORK FOR FULL CREDIT! Correct answers without showing all the necessary steps may not receive any credit. In general, work that demonstrates understanding may receive full credit, even if an error leads to an incorrect answer. It is your responsibility to check your answers and compare them to the solutions that will be posted on <http://scifree.org/algebra2013.html>.**Solve the equations.
simplest form.**

6. $7(m + 6) = 105$

7. $s - 17 = 7(s - 5)$

8. $9(12 + 4z) = 3(6z - 18)$

Write each percent as a fraction or a mixed number in simplest form.

3. 62%

4. 450%

5. 0.5%

6. 120%

Express each decimal or fraction as a percent.

9. $\frac{30}{75}$

10. $\frac{11}{10}$

11. 12.54

12. 0.002

Solve the system of equations.

17. $y = x + 4$
 $y = -x + 2$

18. $y = x$
 $y = 2x - 1$

19. $y = x + 3$
 $x = 4$

20. $y = 2x - 5$
 $y = -1$

Solve the following percent problems.Example: What is 5% of 30? Ans. $\frac{5}{100} \cdot 30 = 1.5$

14. Find 35% of 300.

17. What percent of 50 is 32?

Factor each monomial.

Example:

14. $7a^3$

15. $-12xy^2$

$-1 \cdot 2 \cdot 2 \cdot 3 \cdot x \cdot y \cdot y$

6. $-15rs$

7. $26b^3c^2d$

Simplify

23. $(4^2)^6$

24. $(p^7)^3$

25. $(3c^4d^6)^4$

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