**Algebra 1 Summer Assignment Due: Friday, August 14th Quiz: Monday, August 17th**

**Complete the following questions on loose-leaf. Write questions, show work, and box in the answer.**

**Simplify.**

1. 2. 3.

4. 5.

**Evaluate each expression.**

6. 7. 8.

9. Evaluate the expression if 10. Evaluate the expression if

*g* = 2, *r* = 3, and *t* = 11. *a* = 8, *b* = 4, and *c* = 16.

**Solve the following equations.**

11. 12. 13.

14. 15. 16.

17. 18. 19.

20.

**Write an algebraic expression for each variable expression.**

21. one third of a number

22. three times the sum of a number and five

23. ten less than the product of seven and *f*

34. one minus the quotient of *r* and seven

25. Destiny earns $8 per hour babysitting and $15 for each lawn she mows. Write an expression to show the amount of money she earns babysitting *h* hours and mowing *m* lawns.

**Simplify each expression.**

26. 27. 28.

29. 30.