

Information on Summer
Homework Test
Grade 7

Directions
• Calculators and notes are <i>not permitted</i> • Show work on binder paper in an organized manner • Write the answer on the provided answer sheet • Show work(steps) on each question. <i>No work = no credit</i> • For Area and Volume questions <i>write the formula</i> you are using as the first step • Where needed remember to write the <i>correct measure of units</i>.

A) Solving Equations → 7 questions (one step and two step): total **24 pts**

- Show all algebraic steps

B) Word Problems → 3 questions (similar to *page 2* of summer homework) : total **20 pts**

- # 1 & 2 questions give:
 - Variable expression (s) (the variable or expression with variable and what it represents)
 - Equation (write the equation)
- #3 question give:
 - Diagram (a diagram with given information)
 - Variable expression(s)
 - Equation
 - Solve (all algebraic steps)
 - Check/answer (check answer and give answer in sentence)

C) Area → 3 questions : total **10 pts**

- Calculate ***area*** of triangle (formula not provided)
- Calculate ***surface area*** of rectangular prism (formula not provided)
- Calculate ***surface area*** of cylinder (formula provided)

D) Volume → 2 questions : total **6 pts**

- Calculate ***volume*** of rectangular prism (formula not provided)
- Calculate ***volume*** of cylinder (formula provided)

E) Extra Credit → 5 questions: total **8% extra credit** on test grade

- Simplify expressions (page 22 of summer homework)