

IM1 Summer homework test Information

Directions that will be on the test
<ul style="list-style-type: none">• Calculators and notes are not permitted• Show work on binder paper in an organized manner• Write the answer on the provided answer sheet• Show work(steps) on each question. No work = no credit• Use straightedge to graph

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- A) Solving Equations (**3-5**) *page 11* (3 questions: total 10 points)
- **Solve each equation. Show all steps.**
- B) Proportions (**4-1**) *page 12* (2 questions: total 6 points)
- Solve each proportion.
- C) Problems (**4-1 & 4-7**) *page 12 & 16* (2 questions: total 12 points)
- Use proportion to solve to solve the **problem (4-1)**
 - Proportion Used:
 - Answer:
 - Solve the following word problem (show all five steps: diagram, variable or chart, equation, solve, and answer/check). **(4-7) – (distance/rate problem)**
Study example two on this page.
 - Diagram:
 - Variable/Chart:
 - Equation:
 - Solve:
 - Answer:
- D) Slope (**6-1**) *page 20* (2 questions: total 4 points)
- Determine the slope of the line that passes through each pair of points
- E) Solving Inequalities (**7-1 & 7-2**) *page 23 & 24* (3 questions: total 8 points)
- Solve each inequality
- F) Graphing linear Equations (**6-5**) *page 22* (2 questions: total 10 points)
- Graph each equation. Use the method you prefer.