

MA 11100, Exam 2 Answers, Fall 2009

**Problem**

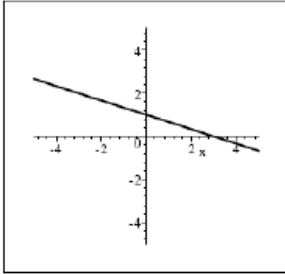
**Form A**

1. **E** I and II only

2. **D** (6,0), (0,-8)

3. **D**  $y = \frac{3}{4}x + 9$

4. **B**



5. **C** -2

6. **B** There are two solutions. Both are positive.

7. **D**  $P(t) = \frac{375}{2}t + 2500$

8. **D**  $\frac{5}{2}$

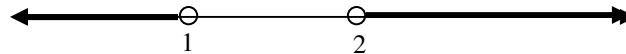
9. **B**  $y = 2$

10. **D**  $\begin{cases} 2x + 3y = 465 \\ y = x + 35 \end{cases}$

11. **C** Between 46 and 53 mph (50 mph)

12. **C** No more than 33 miles

13. **D**



14. **A**  $\left[-\frac{17}{2}, \infty\right)$

15. **D**  $10x^3 - 11x^2 - 2x$