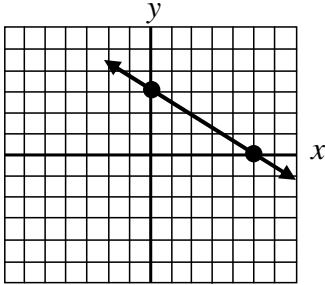



MA 11100 Exam 2 Answers, Spring 2011

Problem	Form A	Form B	Actual Answer
1)	<i>B</i>	<i>D</i>	$9x + 5y = -4$
2)	<i>C</i>	<i>A</i>	One line has a negative slope, the other a zero slope.
3)	<i>D</i>	<i>C</i>	$y = -\frac{10}{3}x - 8$
4)	<i>E</i>	<i>C</i>	$\begin{cases} y = \frac{3}{2}x - 4 \\ 3x - 2y = 10 \end{cases}$
5)	<i>D</i>	<i>B</i>	$(f + g)(-10) = 250$
6)	<i>A</i>	<i>E</i>	The solution is in Quadrant IV and the x value is 6.
7)	<i>E</i>	<i>E</i>	
8)	<i>C</i>	<i>B</i>	I and II only
9)	<i>C</i>	<i>A</i>	50 mph
10)	<i>A</i>	<i>D</i>	$\begin{cases} x = 2y + 3 \\ 2x + y = 26 \end{cases}$
11)	<i>A</i>	<i>D</i>	$x = 5$
12)	<i>D</i>	<i>C</i>	$0.3m + 35 \leq 65$
13)	<i>B</i>	<i>A</i>	
14)	<i>B</i>	<i>A</i>	There are two solutions, both are positive.
15)	<i>E</i>	<i>B</i>	$y = -\frac{4}{7}x + 10$