

MA 11100 Exam 3 Answers, Fall 2010

Problem	Form A	Actual Answer
1)	E	$\left(\frac{19}{14}, \infty\right)$
2)	B	There are two solutions, both positive. (2, 11)
3)	C	$-2 \leq x \leq \frac{5}{2}$
4)	D	$24x + 4y$
5)	A	$(x + 3y)(x - 3y) = 2x - 9y^2$
6)	B	$a + 2b$
7)	D	$x^2 + 7x - 10$
8)	D	$2x + 3$
9)	B	$7a(x^2 + 4)(x + 2)(x - 2)$
10)	A	$x = -1, \frac{1}{2}$
11)	C	$\frac{x^2}{8(x + 4)}$
12)	E	-3, -2, 0 only
13)	C	$1500 + 0.25(b - 1500) < 1200 + 0.3(b - 1200)$
14)	D	Between 2.8 and 3.2 hours (3 hr.)
15)	C	$2x^2 - 23x + 30 = 0$