

MA 152 Exam 3 Spring 2012

MA 15200X

Problem	FORM A	FORM B	Actual Answer
1)	E	D	$f(-3) = 5$ $f(3) = 2 + \sqrt{3}$
2)	D	D	
3)	B	C	$(6, -1)$ and $(6, 5)$
4)	A	A	$3x + 2y - 8 = 0$
5)	C	E	II only
6)	C	C	Between 20.5 and 22.5 years after 2000 (21 years after 2000)
7)	E	B	$y = \frac{3x}{2w}$
8)	B	A	$(f \circ g)(x) = 30x - 6$
9)	A	D	I, II, and III
10)	D	C	37.9%
11)	C	E	$\log_m(4r) = q - 3$
12)	A	D	$x = 4, \quad y = -3$
13)	C	E	$\log_2\left(\frac{x^{13}}{49}\right)$
14)	D	A	2.7527
15)	C	A	$x = 8$