

**MA 15200 and MA 15200X, Exam 1 Answers, Fall 2009**

	<b>FORM A</b>	<b>FORM B</b>	<b>ANSWER</b>
1)	C	A	The inequality $-6 > -2$ is true.
2)	D	B	3
3)	B	E	$3^{-2} = -9$
4)	B	D	\$62.50
5)	A	C	$\frac{4x^{14}}{y^{22}}$
6)	E	B	$3xy^2\sqrt{3y}$
7)	A	C	-6
8)	E	B	$V = 12x^3 - 10x^2 - 12x$
9)	B	C	$5x - 6y$
10)	A	D	$a - 2$
11)	D	A	$\frac{3(x-2)}{x+2}$
12)	C	A	$\frac{8}{x}$
13)	D	B	The solution is at least $-10$ , but less than $-5$ . ( $x = -8$ )
14)	E	E	There is no solution.
15)	A	E	$5x + 6.5(1250 - x) = 7366$