

MA 22000 Exam 2 Answers, Fall 2012

Problem	Form A	Form B	Actual Answer
1)	B	D	$y = \frac{7}{3}x + \frac{1}{3}$
2)	A	C	-7
3)	D	A	$\frac{2}{3}$
4)	B	A	\$7.80 /unit
5)	B	E	$4x^4 + 4x^2 - 3$
6)	D	B	$24x^3 - 30x^2 - 6x + 8$
7)	D	D	$-\frac{14}{25}$
8)	A	C	$y' = 3x^2 - \frac{2}{\sqrt{x}} - \frac{2}{x^3}$
9)	D	B	$g'(x) = 3(4x - 5)(2x^2 - 5x + 1)^2$
10)	E	A	36 units per hour
11)	D	A	$y' = \frac{-15}{2(5x + 2)^{3/2}}$
12)	C	A	$x = -4, x = 2$
13)	C	D	\$41.20
14)	B	E	$\frac{8}{3}$ degrees per mg
15)	E	D	$x = -2, x = 1, x = 2, x = 4$