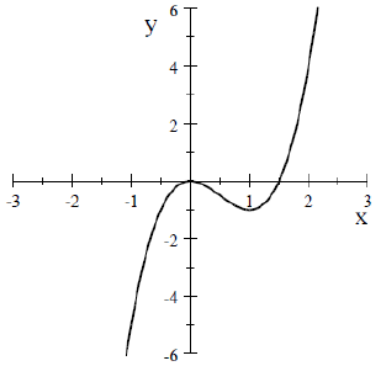
Answers MA 15910 Exam 3, Spring 2015

Number	Test Number 01(green)	Test Number 02 (orange)	Actual Answer
1)	*E.*	*E.*	All are true.
2)	*B.*	*D.*	$g'(x) = 14\left(e^x + 10x\right)\left(e^x + 5x^2\right)^{13}$
3)	*E.*	*B.*	$\dfrac{dy}{dx} = \dfrac{-x(x+2)}{e^x}$
4)	*D.*	*D.*	Between 93 and 94 million
5)	*A.*	*C.*	$g'(x) = \dfrac{1 - 2\ln x}{x^3}$
6)	*D.*	*D.*	x is between 2.0 and 2.5 **(2.151)**
7)	*C.*	*A.*	$x = 5$ only
8)	*B.*	*E.*	$(-\infty, -1) \cup (2, \infty)$
9)	*A.*	*B.*	Between 300 and 390 CD players/month
10)	*C.*	*E.*	$(4, 8)$
11)	*D.*	*A.*	$y = 2,\ x = -3,\ x = 2$
12)	*C.*	*D.*	$\frac{1}{4}$
13)	*E.*	*C.*	I and II only
14)	*E.*	*B.*	$(-4, 54)$
15)	*A.*	*A.*