Problem	Form A	Form B	Actual Answer
1)	*B.*	*D.*	$x = \dfrac{1}{3}$
2)	*A.*	*D.*	$f'(x) = x^3\left(e^x\right)(x+4)$
3)	*C.*	*B.*	$y' = 5(x^2 + \ln x)^4\left(2x + \dfrac{1}{x}\right)$
4)	This question will not be scored.		
5)	*A.*	*C.*	$6993.62
6)	*B.*	*E.*	II and III only
7)	*C.*	*D.*	The solution is at least 20. $(x = 27)$
8)	*A.*	*B.*	$f'(x) = \dfrac{5x^2 + 1}{x(x^2 + 1)}$
9)	*E.*	*C.*	(0, 2)
10)	*B.*	*C.*	f is decreasing on the interval $\left(\dfrac{3}{4}, \infty\right)$.
11)	*A.*	*E.*	$24,768
12)	*D.*	*D.*	$x = 1$
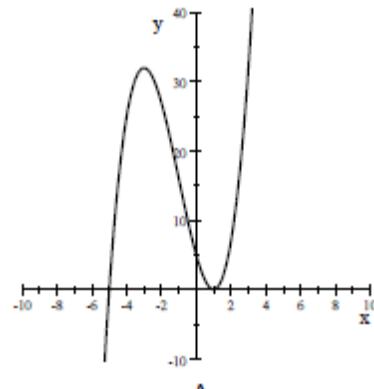
13)	*A.*	*A.*	
14)	*D.*	*A.*	$(2, -2)$
15)	*E.*	*D.*	There is a relative maximum for this function.
16)	*D.*	*E.*	$2e^{x^2}(2x^2 + 1)$
17)	*C.*	*E.*	$a + 2c$