Exam 3B

Question #	Form B Summer 2012	Answer
1	D	$[0, 2]$
2	A	$y = -2(x + 4)^2 + 44$
3	B	See graph on exam
4	E	$(f \circ g)(0)$ is undefined $(g \circ f)(0) = \dfrac{1}{2}$
5	C	$x = \dfrac{9}{2}; x = 5$
6	D	$\left[0, \dfrac{25}{9}\right]$
7	B	$(-2, 0) \cup (0, 3)$
8	A	See graph on exam
9	D	$\dfrac{3}{128}$
10	D	Infinitely many solutions
11	B	$(5, 21); (-1, -3)$
12	A	0
13	-	$x = \dfrac{400}{3}; y = 100$
14	D	$B(x) = \begin{cases} 0.00361x, & if\ x \leq 5{,}000 \\ 0.00417x - 2.8, & if\ x > 5{,}000 \end{cases}$
15	E	$x = 90\dfrac{ft}{sec}; y = 50$ feet