Exam 3B

Question #	Orange Form Fall 2011	Answer
1	A	$\left(-\dfrac{1}{2}, 3\right)$
2	C	4; minimum value
3	B	$(0, 3]$
4	B	$[-1, 3) \cup (3, \infty)$
5	C	$(-\infty, -2] \cup [0, 2)$
6	A	$[-2, 5]$
7	D	The graph of f is shifted to the right 2 units and reflected about the x-axis
8	A	See graph on exam
9	D	-1
10	C	$-2a - h + 1$
11	C	There are two solutions. One is between 1 and 3
12	A	$k = 5$
13	D	$C(x) = 100x + \dfrac{112{,}500}{x} - 400$
14	C	$T(x) = \begin{cases} 0.01x & if \ x \le 500{,}000 \\ 0.0125x - 1{,}250 & if \ x > 500{,}000 \end{cases}$
15	B	$y = -30(x - 2)^2 + 120$