

Exam 3A

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