

Exam 3B

Question #	Orange Form Spring 2012	Answer
1	D	$-\frac{5}{8}$
2	B	$[-2, 0] \cup [3, 5]$
3	D	$(1, 5)$
4	C	$[4, 5) \cup (5, \infty)$
5	D	$\left(\frac{1}{2}, -6\right)$
6	A	5
7	A	$f(x) = 2(x - 1)^2 + 3$
8	E	See graph on exam
9	B	17; minimum
10	D	$2a + h$
11	A	$y = -f(x + 3) + 2$
12	B	$(-\infty, -3] \cup (-1, 5]$
13	B	k is between 5 and 6
14	C	The maximum width of the box is between 4 feet and 5 feet
15	A	$V(x) = 4x(20 - x)(30 - x)$