

Exam 3

Question #	Green Form Spring 2009	Answer
1	A	6
2	E	None of the above
3	B	$w = 2$
4	C	Quadrants I and IV
5	D	I, II, and III
6	E	$[-3, 4) \cup (4, \infty)$
7	C	$\frac{x+4}{x+1}$
8	D	$f(1) = 3$
9	A	$f(x) = \begin{cases} -x-2 & \text{if } x \leq -1 \\ 4-x^2 & \text{if } x > -1 \end{cases}$
10	D	$y = -f(x+4)$
11	B	$(-\infty, -2) \cup (-2, 3) \cup (5, \infty)$
12	A	$D = [-9, 15]; \quad R = [-3, 3]$
13	C	$y = -\frac{2}{9}(x-3)^2 + 2$
14	B	245 T-shirts
15	E	$A(x) = \frac{816x - 2x^2}{3}$