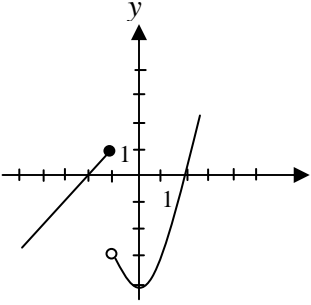


Exam 3

Question #	Orange Form Spring 2008	Answer
1	A	$\frac{15}{4}$
2	E	$\frac{1+3x}{x^2}$
3	C	$(1,5) \cup (5,\infty)$
4	D	$D = [-5,2]; R = [-12,6]$
5	A	
6	E	None of the above.
7	D	zeros: $-4, 6$; min value $= -25$
8	B	-3
9	A	$k = -2$
10	D	$(-\infty, -5) \cup (-3, 5)$
11	C	$x = -1, x = \frac{9}{5}$
12	E	There are infinitely many solutions.
13	C	At least 400, but less than 500.
14	B	$y = \frac{3}{250}(x-50)^2 + 10$
15	D	$k = 8.4$