

## Exam 2

Question #	Orange Form Spring 2006	Answer
1	D	$(-5, 8)$
2	A	$[-5, 1]$
3	E	None of the above ( $f(1) = -1$ )
4	C	$(-\infty, -1] \cup [4, \infty)$
5	B	$\frac{a-2}{a^2+2a+3}$
6	A	There is one solution. It is positive ( $x = 8$ )
7	D	$(5, -3)$ ; radius = $\sqrt{42}$
8	C	$(x+3)^2 + (y-2)^2 = 4$
9	A	II and III only
10	E	$x = -3 \pm \sqrt{2}i$
11	C	$[-1, 5) \cup (5, \infty)$
12	B	$\sqrt{(x+2)^2 + (y-1)^2} = \sqrt{(x-6)^2 + (y-3)^2}$
13	E	$19,800 + 2,300x < 21,500 + 1,800x$
14	D	$A = \frac{1}{6}t + 20$
15	B	10 feet by 10 feet