

Exam 2

Question #	Orange Form Fall 2007	Answer
1	E	$3\sqrt{5}$
2	C	$[-5, 2]$
3	A	$[-5, -4] \cup [-1, 2]$
4	D	$\left(\frac{23}{5}, \infty\right)$
5	C	$(-\infty, 2] \cup [5, \infty)$
6	B	I and III only.
7	A	There is one solution. It is positive. ($x = 3$ is extraneous)
8	B	$\frac{1}{10} - \frac{13}{10}i$
9	D	$-4 \pm 2\sqrt{2}i$
10	E	$x - 2y = 4$
11	A	$(x+3)^2 + (y-5)^2 = 17$
12	E	$2a + h - 1$
13	D	72 minutes
14	B	$W(t) = \frac{25}{6}t + 65$
15	C	$3x^2 - 32x + 19 = 0$