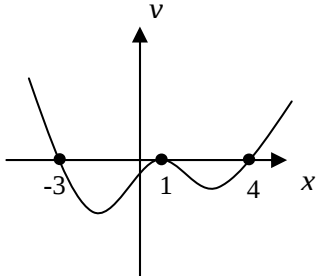
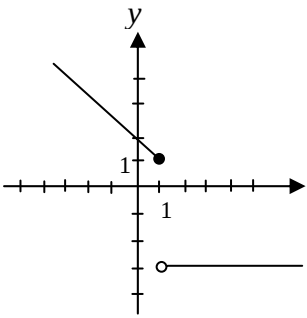


Exam 3

Question #	Orange Form Fall 2007	Answer
1	A	$\frac{9}{14}$
2	E	$\frac{13x-11}{2x-3}$
3	A	I and II only
4	B	
5	D	$f(x) = 2(x-2)^2 + 9$
6	B	5; minimum value
7	C	4
8	E	$y = -f(x+4) + 3$
9	C	Vertically compress the graph by $1/3$ and horizontally compress by $1/5$
10	B	$(-\infty, -3) \cup (4, \infty)$
11	E	$x = -\frac{2}{5}, x = 1$
12	C	
13	D	204 people
14	C	$y = -\frac{7}{25}(x-5)^2 + 7$
15	A	$\begin{cases} 2(x+y) = 1400 \\ 3.5(x-y) = 1400 \end{cases}$