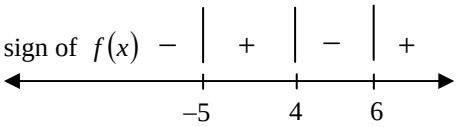
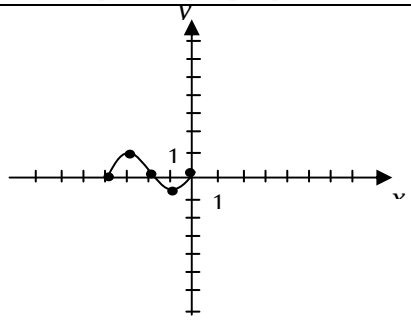
Question #	**Orange Form** **Fall 2004**	**Exam 3** **Answers**
1	E	None of the above (answer is 3)
2	C	$x^2 - 13x + 40$
3	B	
4	E	$x = -5,\ x = 4$
5	D	Reflect the graph of *y=f(x)* through the *y*-axis and shift up 3
6	B	$f^{-1}(x) = \dfrac{x}{2-x}$
7	E	$[-2,-1] \cup [1,2]$
8	D	
9	A	$y = \dfrac{3}{2}(x+2)^2 - 1$
10	C	$(-2,3), (4,1), \left(5, \dfrac{1}{4}\right)$
11	B	$(-1,2) \cup (2,5)$
12	A	-9; minimum value
13	D	k=3
14	B	$d(t) = \sqrt{36t^2 + 5625}$
15	C	$C(x) = \begin{cases} 30x & if\ \ x \le 25 \\ 28x + 50 & if\ x > 25 \end{cases}$