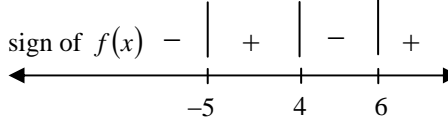
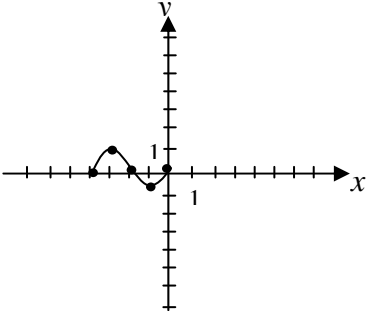


Exam 3

Question #	Green Form Spring 2007	Answer
1	C	17
2	A	$x^2 - 13x + 40$
3	D	 <p style="text-align: center;">sign of $f(x)$ - + - + ← → -5 4 6 </p>
4	A	$\left(-\frac{1}{2}, 4\right)$
5	E	$y = -5, y = 4$
6	B	$k = 3$
7	A	$[-2, -1] \cup [1, 2]$
8	B	
9	C	$y = 4x + 1$
10	E	$y = \frac{3}{2}(x + 2)^2 - 1$
11	C	$(-\infty, -3] \cup [1, 2]$
12	B	$y = 2(x - 2)^2 - 9$
13	D	$x = 375$ feet
14	E	$d(t) = \sqrt{36t^2 + 5625}$
15	A	$C(t) = \begin{cases} 30x & x \leq 25 \\ 28x + 50 & x > 25 \end{cases}$