

Exam 3

Question #	Orange Form Spring 2011	Answer
1	A	17
2	C	$x^2 - 13x + 40$
3	A	
4	C	$\left(-\frac{1}{2}, 4\right)$
5	C	$y = -5, y = 4$
6	D	$\frac{7}{4}$
7	C	$[-2, -1] \cup [1, 2]$
8	D	
9	C	$y = 4x + 1$
10	E	$y = \frac{3}{2}(x + 2)^2 - 1$
11	B	$[-3, -1] \cup [3, \infty)$
12	D	$y = 2(x - 2)^2 - 9$
13	B	375 feet
14	B	$d(t) = \sqrt{36t^2 + 5625}$
15	E	$C(x) = \begin{cases} 35x & \text{if } x \leq 60 \\ 28x + 420 & \text{if } x > 60 \end{cases}$