Exam 3B

Question #	Form B Fall 2012	Answer
1	C	$\frac{9}{14}$
2	D	$k = 20$
3	C	$D = [1, 6]; R = [-1, 1]$
4	B	See graph on exam
5	D	$f(x) = 2(x-2)^2 + 9$
6	B	5; minimum value
7	C	4
8	D	There is one solution. It is in Quadrant IV.
9	B	Vertically compressed the graph of $y = f(x)$ by $\frac{1}{3}$ and horizontally stretch by 5
10	B	$(-\infty, -3) \cup (4, \infty)$
11	E	$x = -\frac{2}{5}, x = 1$
12	C	See graph on exam
13	D	$k = \frac{1}{2}$
14	C	$y = -\frac{7}{25}(x-5)^2 + 7$
15	A	406 feet