

Exam 3

Question #	Green Form Fall 2008	Answer
1	C	-14
2	E	$\frac{1}{(x+5)(x+3)}$
3	D	$k = \frac{16}{5}$
4	A	(0,4)
5	B	
6	C	$x^2 + 5x + 7$
7	D	There is no solution.
8	A	100 feet
9	B	$w = 1.5$
10	C	I and II only.
11	E	$(-\infty, -4) \cup [4, 5)$
12	A	$x = 3, x = 7$
13	B	$y = -\frac{8}{25}(x-5)^2 + 8$
14	A	62.5 mph
15	D	$T(x) = \begin{cases} .05x & \text{if } 0 < x \leq 40,000 \\ .08x - 1,200 & \text{if } x > 40,000 \end{cases}$