

Exam 3

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