

# Exam 3A

Question #	Form A Fall 2012	Answer
1	B	-27
2	C	$x = -5,5$
3	B	III only
4	A	$(-4, 0)$
5	B	See graph on exam
6	D	There is no solution
7	B	$-f(x - 4) + 3$
8	D	$(1, 4)$
9	C	$(-4, 4] \cup (5, \infty)$
10	C	See graph on exam
11	B	II only
12	D	$x = 2, x = 8$
13	D	$t$ is between 4 and 5 seconds
14	C	$k = \frac{1}{3}$
15	C	$T(x) = \begin{cases} .04x & \text{if } 0 < x \leq 40,000 \\ .09x - 2,000 & \text{if } x > 40,000 \end{cases}$