Exam 3

Question #	Green Form Fall 2005	Answer
1	D	$-\dfrac{1}{12}$
2	C	$\dfrac{x^2 - x - 2}{x^2 - x + 3}$
3	A	$f(x) = 2x + 3$
4	B	$f(x) = |x| - 3$
5	C	
6	A, B, C, D, E	There was an error with this question. All answers counted as correct.
7	D	All of the above statements are true.
8	A	Shift the graph of $y=f(x)$ right 4 and shift up 2.
9	C	$y = \dfrac{2}{9}(x+2)^2 + 3$
10	E	$[-5,-3] \cup [0,2]$
11	A	$D = [-18,15];\ R = [-12,8]$
12	D	$M = \dfrac{2P}{H^2}$
13	D	$x = -4,\ x = 2$
14	B	$C(x) = 6x + \dfrac{4800}{x} - 18$
15	A	$C(x) = \begin{cases} 1.5x & if\ x \leq 1000 \\ 3x - 1500 & if\ x > 1000 \end{cases}$