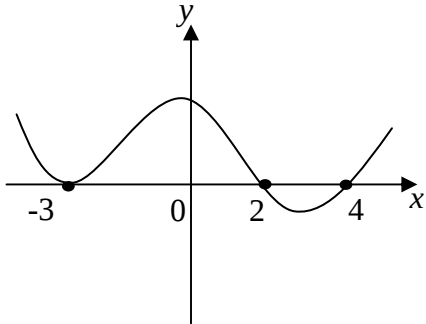


Exam 3

Question #	Green Form Fall 2009	Answer
1	A	$\frac{5}{2}$
2	C	$\frac{2x+7}{x-2}$
3	D	
4	B	$y = \frac{168}{5}$
5	E	$2a + h - 1$
6	A	$x = -\frac{3}{2}, \quad x = 2$
7	D	$[-4, -1] \cup [2, 5]$
8	A	$D = [-3, 6]; \quad R = [-12, 8]$
9	B	$(-5, -1) \cup [3, \infty)$
10	E	$y = -f(x) + 3$
11	A	$y = -\frac{8}{25}(x+1)^2 + 8$
12	B	2; Minimum
13	C	$\begin{cases} x + y = 0.75 \\ 3.00x + 2.50y = 2.10 \end{cases}$
14	A	$L(x) = \sqrt{x^2 - 16x + 5689}$
15	D	$C(x) = \begin{cases} 30x & \text{if } 0 < x \leq 10 \\ 25x + 50 & \text{if } x > 10 \end{cases}$