

Exam 1

Question #	Green Form Spring 2009	Answer
1	C	-44
2	D	$\frac{x^{10}y}{2}$
3	E	$3 + x^2(\sqrt{x})$
4	C	$\frac{\sqrt{6y}}{6xy}$
5	B	$3x^2 + 3xy - y^2$
6	B	$4a^6 - 3a^{12}b^{10} + 2a^4b^5$
7	A	$(x^2 + 4y^4)(x + 2y^2)(x - 2y^2)$
8	D	$(x^2 - 3y^3)(x^4 + 3x^2y^3 + 9y^6)$
9	A	$\frac{x}{x-5}$
10	B	$\frac{a+b}{a}$
11	C	$x = \frac{16}{9}$
12	D	$Q = \frac{3}{R-T}$
13	A	$3x + 5(400 - x) = 1400$
14	D	1 hour and 15 minutes.
15	E	$3x + 5\left(x - \frac{1}{4}\right) = 2$