

# Exam 1

Question #	Green Form Spring 2008	Answer
1	A	$\frac{x}{y} \geq \frac{1}{8}$
2	D	$-\frac{y^5}{3x^2}$
3	C	$5x^6y^4(\sqrt{2y})$
4	B	$\frac{16a^8}{b^6}$
5	B	$3x^2 - 16x + 14$
6	E	$4a + 5a^4b - b^8$
7	D	$5x^4 + y$
8	A	$(y^3 + 2)(y - 2)(y^2 + 2y + 4)$
9	E	$\frac{t - 2\sqrt{t} - 15}{t - 25}$
10	B	$\frac{2x + 1}{x - 1}$
11	D	There is no solution for $x$ .
12	B	$w = \frac{Px - 1}{b}$
13	A	$0.075x + 0.04(25,000 - x) = 1200$
14	D	25 mph
15	C	$6h + \frac{9}{2}\pi = 50$