

Exam 1

Question #	Green Form Fall 2007	Answer
1	B	-9
2	E	$\frac{2b^8}{a^5}$
3	C	$6r^{\frac{7}{12}}$
4	D	$\frac{\sqrt{6xy}}{3y^3}$
5	B	$2x^2 + 6x - 11$
6	E	$4x - 3$
7	A	$x(x^2 + 9)(x + 3)(x - 3)$
8	A	$\frac{x + 2}{2x - 1}$
9	B	$\frac{b^2 + a}{b}$
10	D	$x = \frac{8}{3}$
11	E	All real numbers are solutions except $x = \pm \frac{1}{2}$.
12	C	$y = \frac{Wm - gm}{x}$
13	B	175
14	A	$\frac{24}{5} \text{ ml}$
15	C	$60x + 50\left(x - \frac{1}{2}\right) = 70$