

Exam 1

Question #	Orange Form Fall 2007	Answer
1	D	-18
2	B	$\frac{3b^{10}}{a^4}$
3	E	$8r^{\frac{9}{20}}$
4	A	$\frac{\sqrt{10xy}}{5y^2}$
5	C	$2x^2 + 5x - 9$
6	E	$6x - 1$
7	B	$x(x^2 + 4)(x + 2)(x - 2)$
8	D	$\frac{x + 3}{2x - 1}$
9	C	$\frac{b + a^2}{a}$
10	C	$x = \frac{4}{5}$
11	E	All real numbers are solutions except $x = \pm \frac{1}{2}$.
12	E	$y = \frac{Px - xy}{a}$
13	A	260
14	D	$\frac{36}{5} \text{ ml}$
15	B	$50x + 60\left(x - \frac{1}{2}\right) = 70$