

Exam 1

Question #	Orange Form Fall 2008	Answer
1	A	x^2y
2	D	$\frac{x^{18}y^{12}}{64}$
3	B	$3a^{\frac{5}{2}}b^{\frac{6}{5}}$
4	C	$x^2 + 3x - 10$
5	E	$\frac{\sqrt{5xy}}{5xy^2}$
6	D	$x - 3$
7	D	$(x^4 + 4y)(x^8 - 4x^4y + 16y^2)$
8	A	$\frac{x^2 - 3x + 5}{x(x - 3)}$
9	C	$\frac{x + 1}{x + 7}$
10	A	x is less than -10 .
11	E	All real numbers x are solutions except $x = \pm 2$.
12	B	$w = \frac{xy}{x + y}$
13	E	$.05x + .10(20 - x) = .08(20)$
14	D	$\frac{10}{3}$ hours
15	B	$480 = 120 + 20(h - 3)$