

Exam 1 Review Answer Key

Question	Answer
1(a)	$0, \sqrt{4}, 40$
1(b)	$-\frac{9}{4}, 0, \sqrt{4}, 2.41, 40$
2	-7
3	commutative property
4	20
5	$-\frac{1}{4}x^{12}y^5$
6(a)	not a polynomial
6(b)	degree = 5, l.c. = 4
6(c)	degree = 0, l.c. = 3
7	$9x^3 - 2x^2 + 2x + 19$
8	$9x^2 - 30x + 25$
9(a)	$(4y - 1)(3x + 2)$
9(b)	prime
9(c)	$(3x - 2)(5x - 1)$
9(d)	$4(2x + 3)^2$
10	$x \neq -2, \frac{1}{2}$
11	$\frac{4}{x - 6}, \quad x \neq -3, 6$
12	$\frac{1}{x - 1}, \quad x \neq -4, -1, \frac{1}{3}, 1$
13	$\frac{-x^2 + 6x - 3}{x(x + 1)(x - 1)}, \quad x \neq -1, 0, 1$
14	$x^2 + x + 6, \quad x \neq -2, 2$