

Math R3 Review for final – Practice K

1	If $x = -4$, and $y = 3$, then $2x - y =$
2	The multiplicative inverse of $5\frac{3}{8}$ is
3	$6^{2/3}6^{4/3} =$
4	Find the first three decimal places in the expansion of $\frac{3}{7}$.
5	Evaluate $4[3 - 2(2 - 5)] + 5 \cdot 2 + 1$
6	$(7x^2y^3 - 4x^3y^2) - (8x^3y^2 + 2x^2y^3) =$
7	$(3x - 2)^2 =$
8	$(2x - 3)(4x^2 + 3x - 5) =$
9	Factor completely: $2x^3 + 54$
10	$\frac{\sqrt{2x^9y^4}}{\sqrt{18x^3y^6}} =$

Answers:

1	-11
2	$\frac{8}{43}$
3	36
4	$.428$
5	47
6	$5x^2y^3 - 12x^3y^2$
7	$9x^2 - 12x + 4$
8	$8x^3 - 6x^2 - 19x + 15$
9	$2(x + 3)(x^2 - 3x + 9)$
10	$\frac{x^3}{3y}$