

Review for final – Practice L

1	Which is not rational: $-5\frac{2}{3}$, $\frac{3}{2}$, $\sqrt{3}$, -3.689 , 3.14
2	If you subtract -3 from -10 you get _____.
3	If $x = -12$ and $y = -14$, evaluate $ y - x $.
4	Evaluate $2[2 - 3(4 - 7)] + 4 \cdot 5 + 2$
5	$7x - 2x(3x - 2) =$
6	Factor: $x^3 + 64$
7	Factor: $2x^2 - 3x - 14$
8	$\frac{(2x^5y^7)^2}{8x^4y^{13}} =$
9	$(7x + 5)^2 =$
10	$(x - 2)(4x^2 - 3x - 5)$

Answers:

1	$\sqrt{3}$
2	-7
3	2
4	44
5	$-6x^2 + 11x$
6	$(x + 4)(x^2 - 4x + 16)$
7	$(2x - 7)(x + 2)$
8	$\frac{x^6y}{2}$
9	$49x^2 + 70x + 25$
10	$4x^3 - 11x^2 + x + 10$