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Date: Block: _____

Radicals & Rational Exponents

Rewrite each expression by using rational exponents.

1. √11 ²	$\int_{0}^{2.8\sqrt{y^2}} y^2 = \int_{0}^{2/2} y^2 = \int_{0$
3. ³ √20xyz (20xyz)//3	4. $\sqrt{(3a)}^3$ $(3a)^3/2$

Write each expression in radical form.

5. 49 ^{1/2}	6. $x^{2/3}$
J49	3 X 2
7. (xy) ⁴ 5	8. 16 ^{7/9}
5(xy)4	9/167

Write each expression in radical form and simplify completely.

9. $25^{\frac{1}{2}}$ $\sqrt{25} = 5$ $\sqrt[3]{\chi^5} = \chi \sqrt[3]{\chi^2}$ $\sqrt{11.} (16x^4y)^{\frac{1}{2}}$ $\sqrt{10} \sqrt{4} y = 4 \chi^2 \sqrt{1}$	or and on spin y completely.								
	9. 25 ¹ 2			10. $x^{\frac{5}{3}}$		11. $(16x^4y)^{\frac{1}{2}}$			
	J25	- 	5	3 X5	$= \chi \sqrt{3 \chi^2}$	J16x4y	$=4x^2$ Jy		