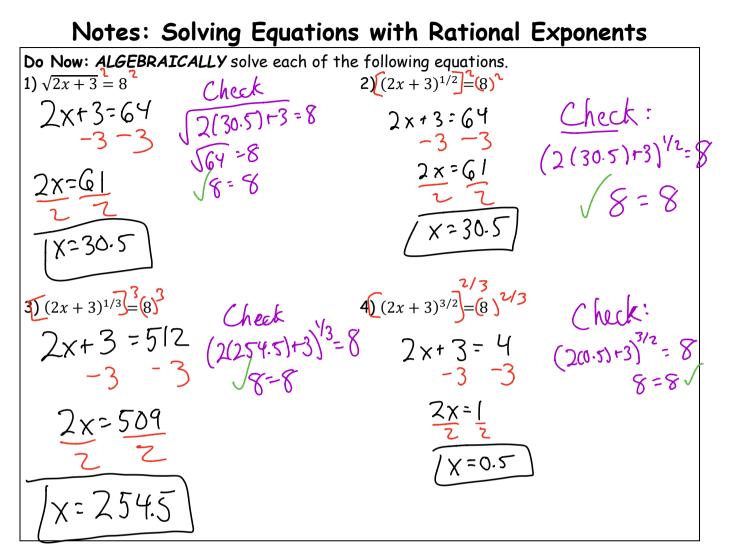
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What Should I Be Able to Do?

95

- I can solve equations with rational exponents.

1)
$$3x^{5/4} - 1 = 95$$

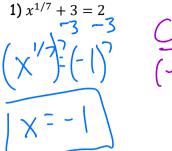
 $1 + 1 + 1$
 $3x^{5/4} = 96$
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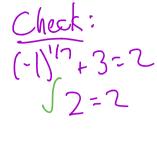
2)
$$-2(x+10)^{\frac{9}{5}} = 12$$

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Checkpoint:

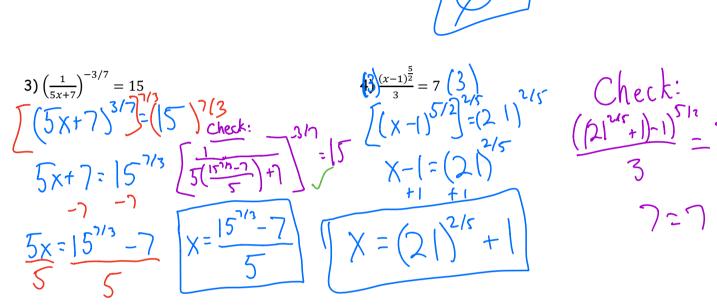
Solve each of the following equations.





 $2\sqrt{(x+2)^{3/2}} = (-64)^{2/3}$ $\chi + 2 = 16$

Check (14+2)³¹²7-64 647-64



5) Solve for a in the following equation:

 $\int (a+b) \int (g-f)^{d/c} (g-f)^{d/c} d/c$ $a+b = (g-f)^{d/c} d/c$ $-b = (-b)^{d/c} d/c$ d(c)a=(a-f)

Success Criteria - I can solve equations with rational and negative exponents. $\begin{array}{c} x = 5)^{3/5} = (27)^{573} \\ X = 5 = 243 \\ +5 + 5 \end{array} \quad (248-5)^{3/5} = 27 \end{array}$ 1) Solve each of the following equation. $\int (x-5)^{3/5} = (27)^{5/3}$ X=248 27=27 Explain what your first step accomplishes and how it helps solve the equation. When I raise both sides of the equation to the \$\frac{1}{3}\$ power to get X-5 alone on the left side of the equation. Solve each of the following equations. $\frac{4}{4} \frac{1}{4} (2x - 2)^{5/2} = 60.75 (4)$ $\int (2x - 2)^{5/2} \frac{1}{2} (243)^{4/2} \frac{1}{2} (243)^{4/2} \frac{1}{2} \frac{1}{2$ $x = 11 \int (60.75 = 60.75)$ x+11=(17)" -11 - 11 $x = (17)^{7/11} - 11$