# Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_

## **15.4 – Equations Containing Rational Exponents**



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| 1. $2\left(7x-1\right)^{\frac{1}{3}}-4=0$
 | 2. $\left(x-2\right)^{\frac{3}{2}}=8$ |
| 1. $2\left(x+4\right)^{\frac{2}{3}}=8$
 | 1. $x^{\frac{2}{3}}+13=17$
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|  |  |
| --- | --- |
| 1. $2x^{\frac{3}{4}}=54$
 | 6. $\left(3x+5\right)^{\frac{1}{2}}-3=4$ |
| 1. $3\left(x-4\right)^{\frac{1}{2}}+5=11$
 | 8. $2\left(3x+4\right)^{\frac{1}{2}}-3=21$ |
| 1. $2\left(x-3\right)^{\frac{1}{2}}=12$
 | 10. $\left(x+4\right)^{\frac{3}{2}}-60=4$ |