

DIRECTIONS: Solve each equation.

1. $a^{3/4} = 8$

2. $(3x + 1)^{3/4} = 8$

3. $y^{-1/2} = 6$

4. $(3y)^{-1/2} = 6$

5. $2y^{-1/2} = 10$

6. $(2y)^{-1/2} = 10$

7. $(9t)^{-2/3} = 4$

8. $9t^{-2/3} = 4$

9. $(8 - y)^{1/3} = 4$

10. $(3n - 1)^{-2/3} = \frac{1}{4}$

11. $(x^2 + 4)^{2/3} = 25$

12. $(x^2 + 9)^{1/2} = 5$