

## Homework – Solving Equations with Rational Exponents #1

Solve for x

1)  $3x^{\frac{1}{4}} = 6$

$x = 16$

2)  $(2x + 7)^{\frac{3}{2}} = 27$

$x = 1$

3)  $4x^{\frac{2}{3}} - 6 = 10$

$x = 8$

4)  $(x + 9)^{\frac{5}{2}} - 1 = 31$

$x = -5$