

Solving Exponential Equations

Set 7-4b

Solve the following for x:

1) $3^x = 81$

2) $2^{2x} = 32$

3) $\left(\frac{2}{3}\right)^x = \frac{8}{27}$

4) $4^{x+2} = 81$

5) $6^{x-2} = 36$