

## Solving Exponential Equations - Worksheet

a)  $7^x = 49$

b)  $(-5)^{2x} = 625$

c)  $6^{3m+2} = 1$

d)  $243 = 9^{2x+1}$

e)  $8^{2x-4} = 16^{2x+4}$

f)  $5^{2x+2} = \frac{1}{625}$

g)  $3(6)^{2x-3} = 648$

h)  $9(16)^{2x} = 589824$