Graph
(1.) 
$$y = \left(\frac{1}{2}\right)^{x} - 3$$
 (2.)  $y = \log(x+2) + 1$ 

Today you will solve exponential equations by matching the base

If 
$$a^{x} = a^{y}$$
 then  $x = y$ 

$$\frac{2}{3}^{2} = 3^{-3}$$

$$2X = X - 3$$

$$-X - X$$

$$1 = -3$$

Solving with matching base F17.notebook	October 24, 201