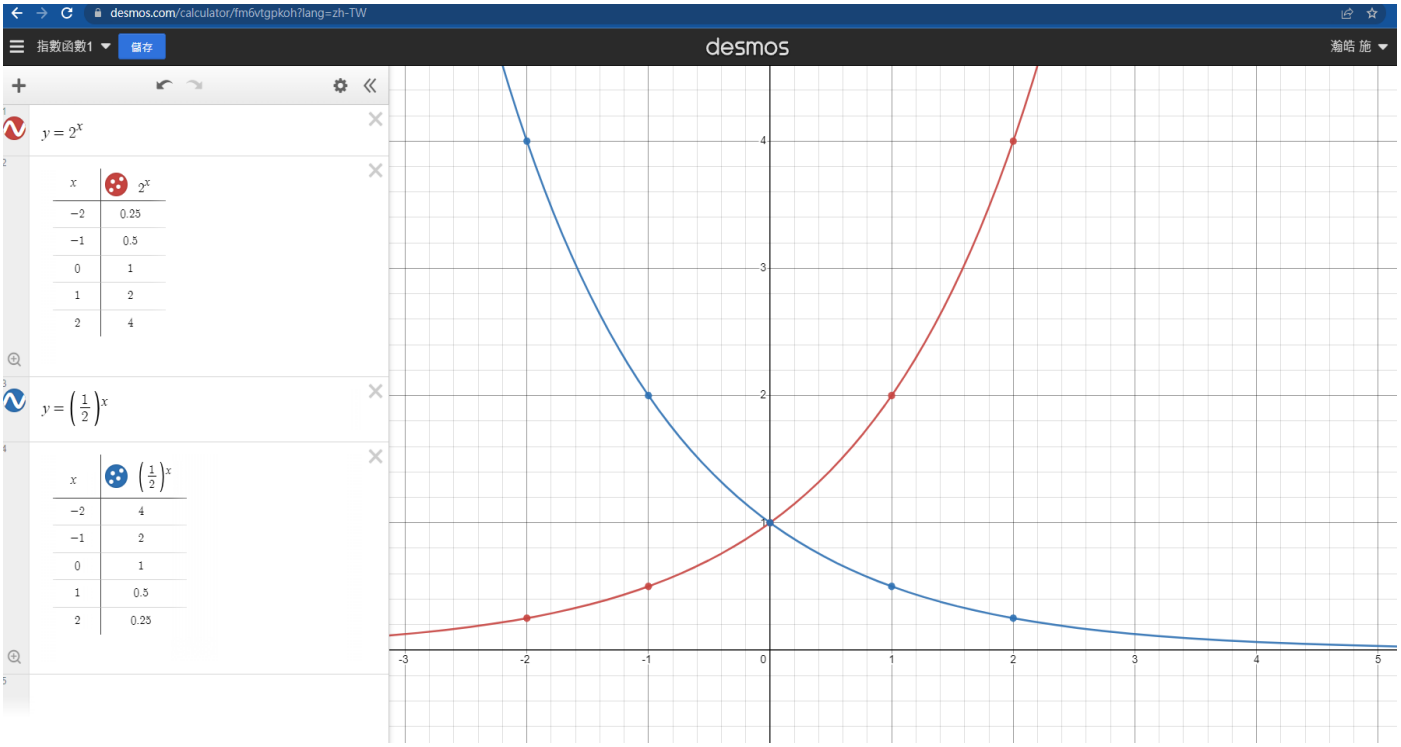
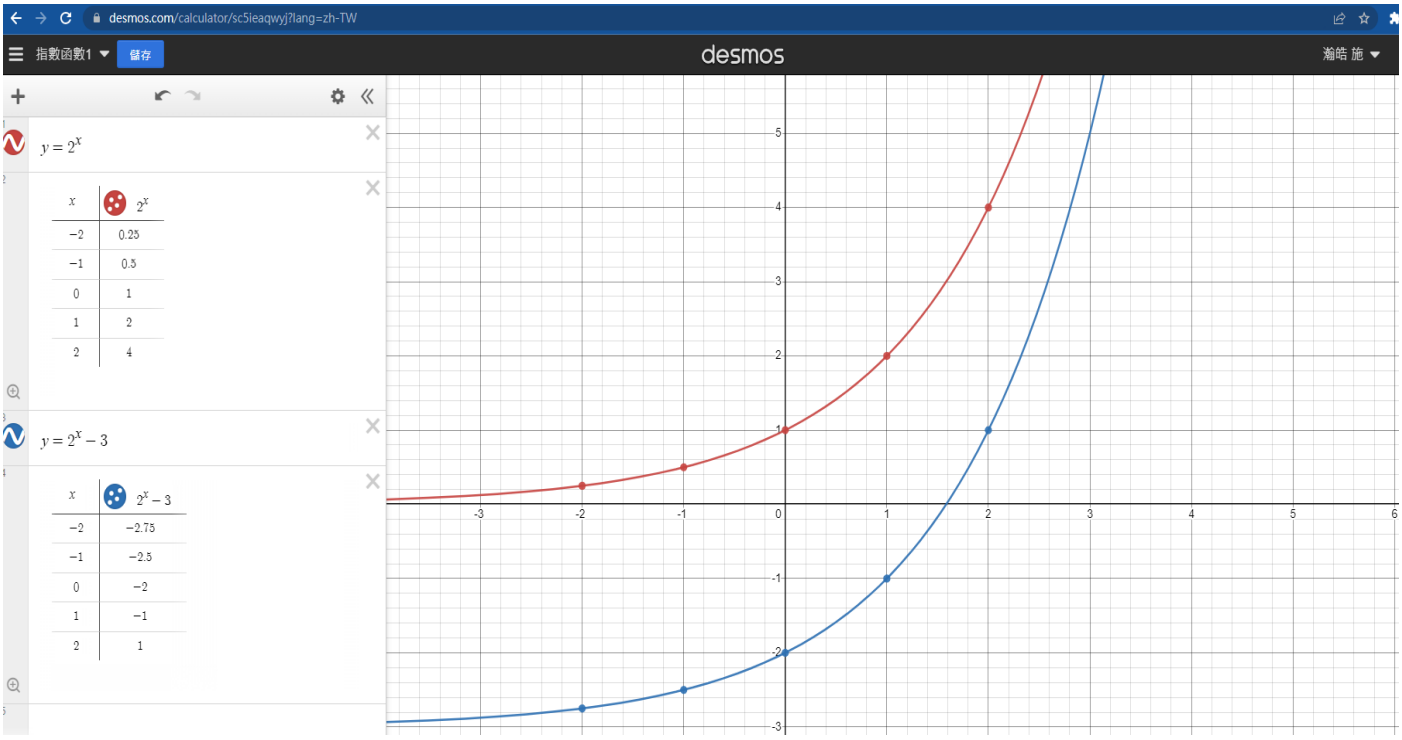
活動 1、介紹一般的指數函數：以$y=2^x$及$y=\left(\frac{1}{2}\right)^x$為例



x	2^x
−2	0.25
−1	0.5
0	1
1	2
2	4

x	$\left(\frac{1}{2}\right)^x$
−2	4
−1	2
0	1
1	0.5
2	0.25

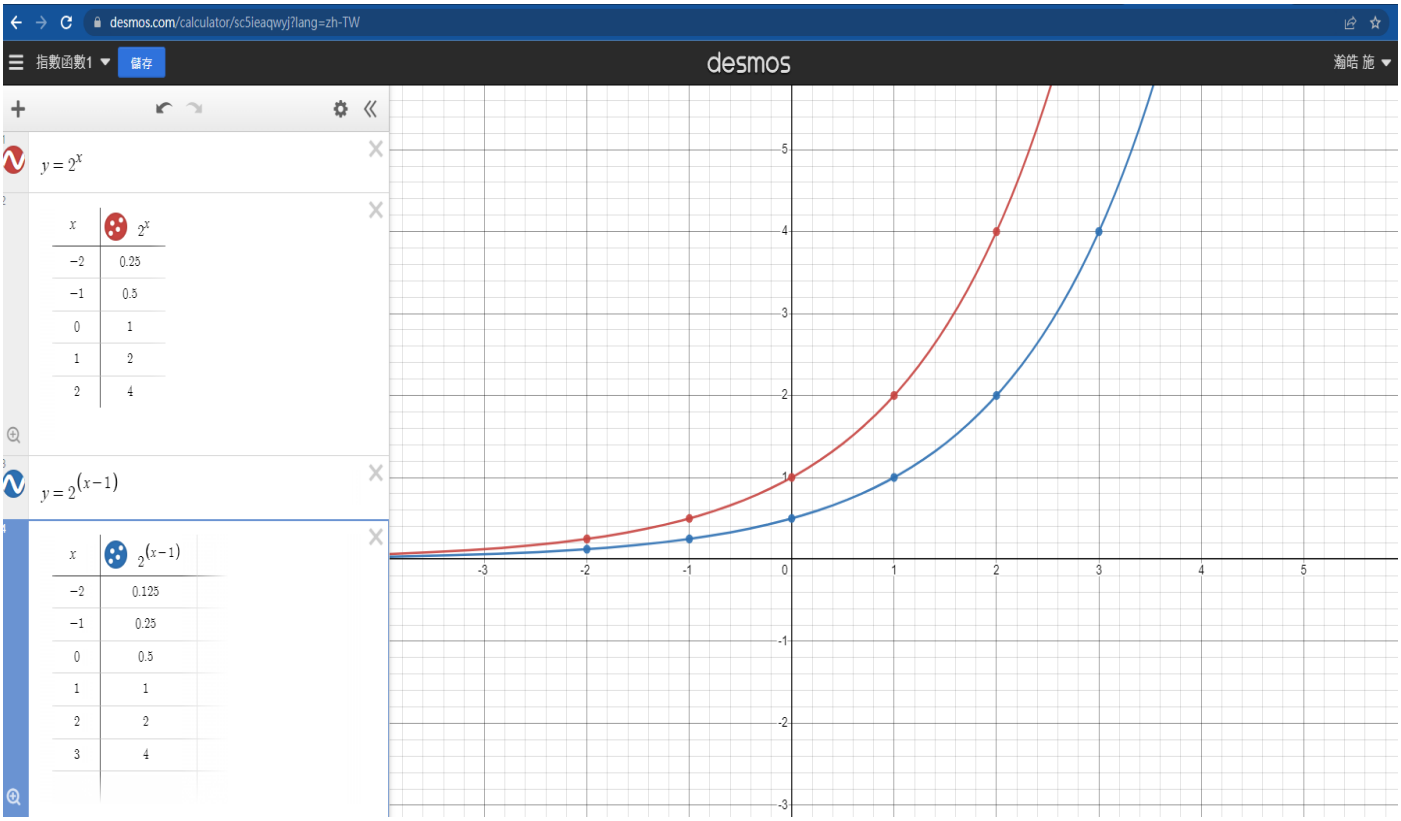
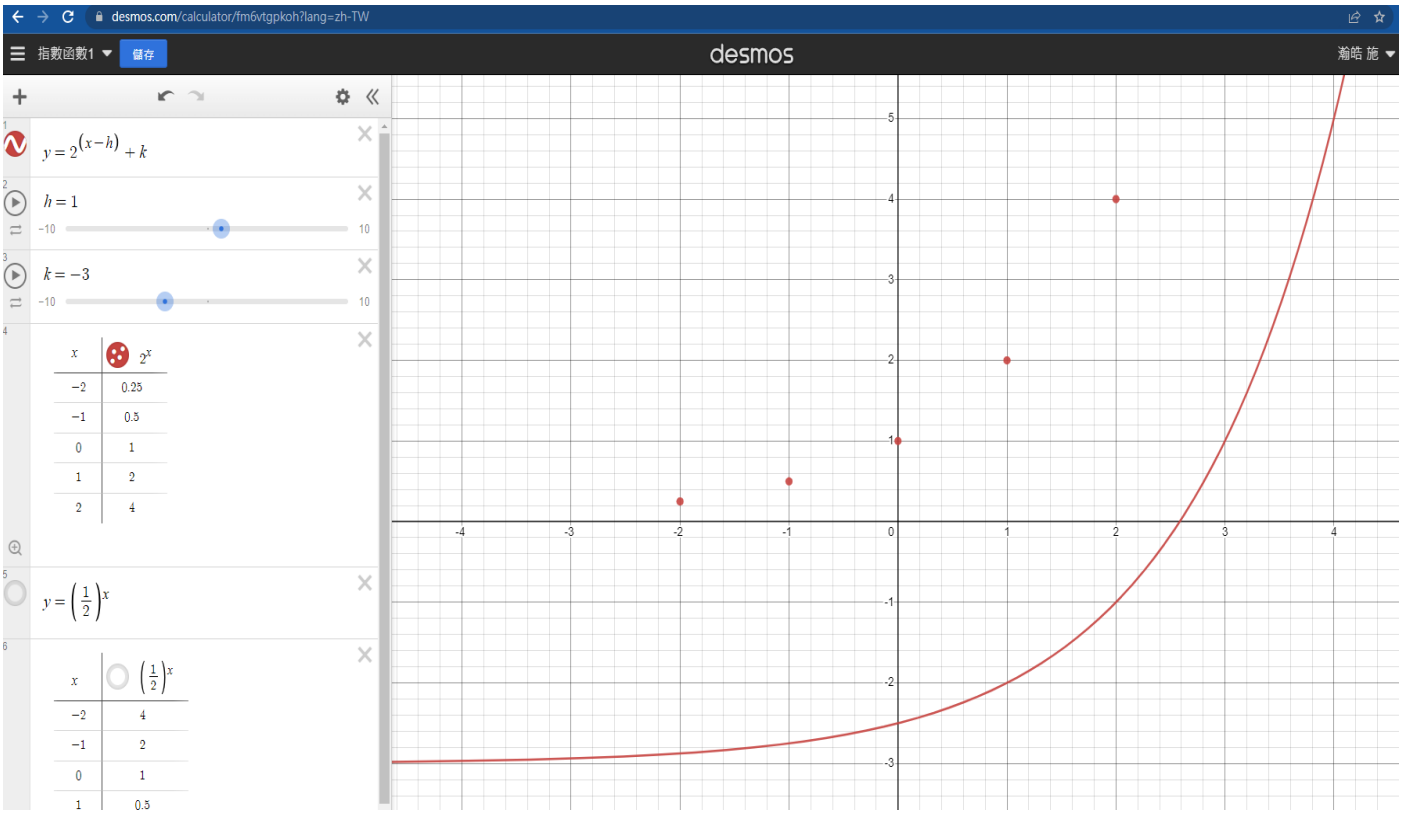
活動 2、介紹指數函數上下移：以$y=2^x$及$y=2^x-3$為例



x	2^x
−2	0.25
−1	0.5
0	1
1	2
2	4

x	2^x-3
−2	−2.75
−1	−2.5
0	−2
1	−1
2	1

活動 3、介紹指數函數左右移：以$y=2^x$及$y=2^{(x-1)}$為例



活動 4、引入滑桿觀察圖形變化： $y=2^{(x-h)}+k$為例