Connection between $y=2^{x}$ and $y=2^{-x}$
(i) Graphs of $y=2^{x}$ (red), $y=1.5^{x}, y=1.25^{x}$ and $y=1^{x}$ :

(ii) The pattern continues for numbers below 1.

Graphs of $y=2^{x}$ (dotted red), $y=1^{x}, y=0.75^{x}$ and $y=$ $0.5^{x}$ (red):

(iii) $0.5^{x}=\left(\frac{1}{2}\right)^{x}=\left(2^{-1}\right)^{x}=2^{-x}$
and $y=2^{-x}$ is the reflection of $y=2^{x}$ in the $y$ axis (as $x$ is being replaced by $-x$ )

