

3) $g(x) = -3^x$

reflect x-axis

Asym $\rightarrow y=0$

X-int \rightarrow DNE

Y-int $\rightarrow (0, -1)$

dec.

4) $g(x) = 3^{-x}$

reflect y-axis

Asym $\rightarrow y=0$

X-int \rightarrow DNE

Y-int $\rightarrow (0, 1)$

dec.

5) $g(x) = -3^{x+2}$

left 2

reflect x-axis

Asym $\rightarrow y=0$

X-int \rightarrow DNE

Y-int $\rightarrow (0, -9)$

dec.

6) $g(x) = -3^x + 2$

reflect x-axis

up 2

Asym $\rightarrow y=2$

X-int $(.63, 0)$

Y-int $(0, 1)$

dec.