11. From the graph,
$$f(2)=a^2=9$$
, so $a=3$. Thus $f(x)=3^x$.

13. From the graph, $f(2)=a^2=\frac{1}{16}$, so $a=\frac{1}{4}$. Thus $f(x)=\left(\frac{1}{4}\right)^x$.

15. III

17. I

19. II

21. $f(x)=-3^x$
The graph of f is obtained by reflecting the graph of $y=3^x$
about the x -axis.

Domain: $(-\infty,\infty)$
Range: $(-\infty,0)$

Asymptote: y = 0