

Tips: 3

Till now you have seen many curves and know also their graphs as well.

since problems requiring graph for calculating area is more clear understanding, so practice graph of some common functions and their translations.

like, you know  $\sin x$  graph

$$y = \sin x$$

but what is graph of,

$$y = 11 - \sin(x + 5)$$

may create problem, so practice

graph of common functions

like,  $\sin x$ ,  $\cos x$ ,  $\tan x$ ,  $\cot x$ ,  $\sec x$ , etc,  $\ln x$ ,  $e^x$ ,  $[x]$ , and their translations.