

In the equations below, determine if each function is linear, quadratic or exponential:

a. $f(x) = 3x + 2$

b. $y = 5^x$

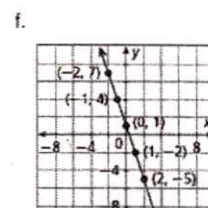
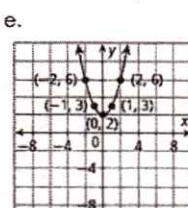
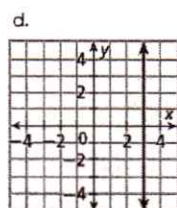
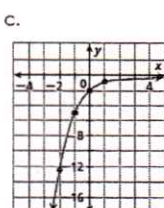
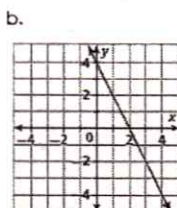
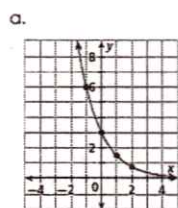
c. $f(x) = 2$

d. $f(x) = 4(2)^x + 1$

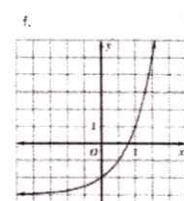
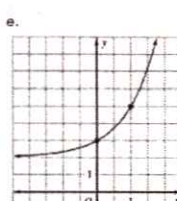
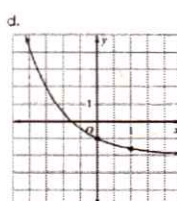
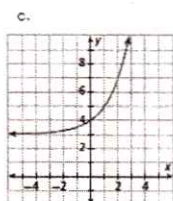
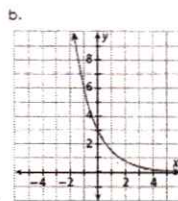
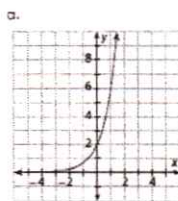
e. $y = 7(.25)^{3x}$

f. $y = 4x^2 + 2x - 1$

Determine if the following graphs represent a linear function, a quadratic function, or an exponential function.



Identify the asymptote of each graph:



Determine if the following functions are linear, quadratic or exponential:

a.

x	y
-2	7
-1	4
0	1
1	-2
2	-5

b.

x	y
-1	1.5
0	3
1	6
2	12

c.

x	y
-1	-9
1	9
3	27
5	45

d.

x	y
-2	6
-1	3
0	2
1	3
2	6

e.

Volleyball Tournament	
Round	Teams Left
1	16
2	8
3	4
4	2

f.

x	$f(x) = 2(3)^x$
1	6
2	18
3	54
4	162