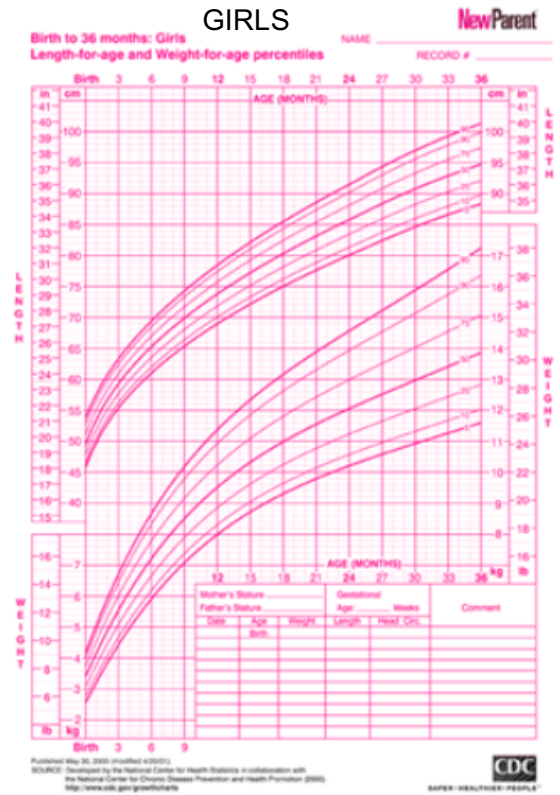
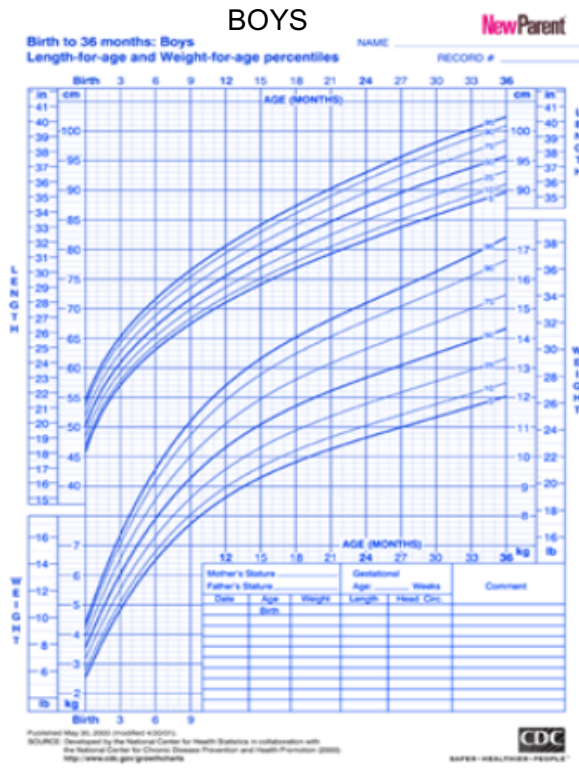


Use the growth chart below to answer the following questions:

1. A graph of a LINEAR RELATION forms a straight line.
For what age range does the growth of girls and boys appear to be linear?
2. For what age range does the growth of girls and boys appear to be non-linear?



Some non-linear relations can be modeled using a CURVE of BEST FIT.

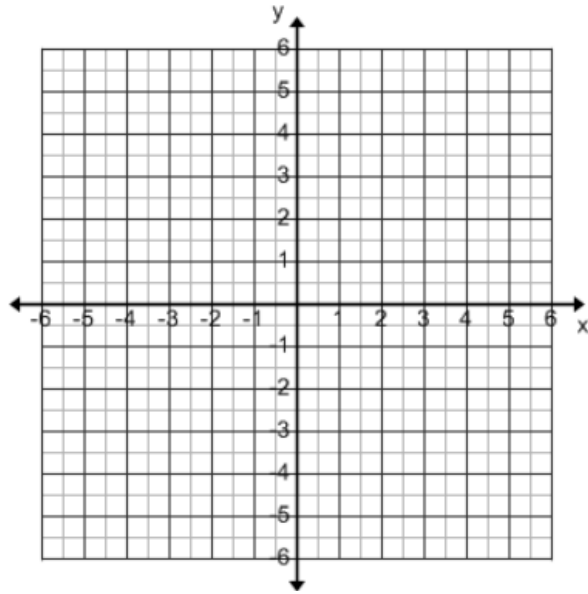
The CURVE OF BEST FIT should:

- 1.
- 2.
- 3.

Example 1: Plot the following sets of points on a grid. If the points show a linear relationship, draw a line of best fit. If the relation appears non-linear, sketch a curve of best fit.

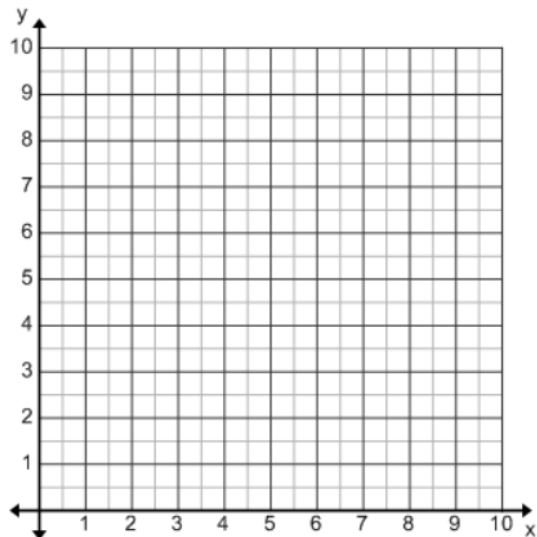
a)

X	Y
-4	-3
-3	-1
-2	-1
-1	-1
0	1
1	2
2	2
3	5
4	5
5	6



b)

X	Y
4	1
3	1
6	4
5	3
2	2
7	5
1	3
7	6



c)

X	Y
1	10
2	9
3	6
3	4
5	3
7	2
9	1

