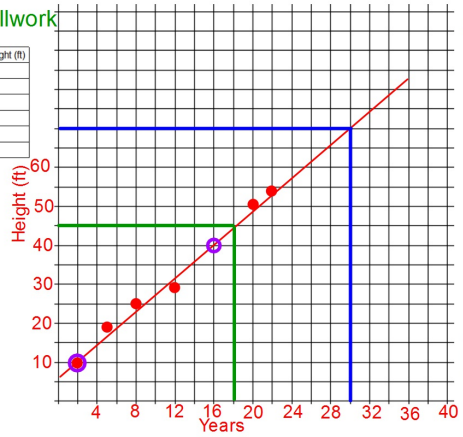
1st hour bellwork

Years after planting	Height (ft)
3	10
5	18
8	25
12	28
20	51
23	54



3. Find height in 30 years.

about 70ft.

4. Find age for 45ft tall tree.

about 18 years old.

5. Eq of trendline.

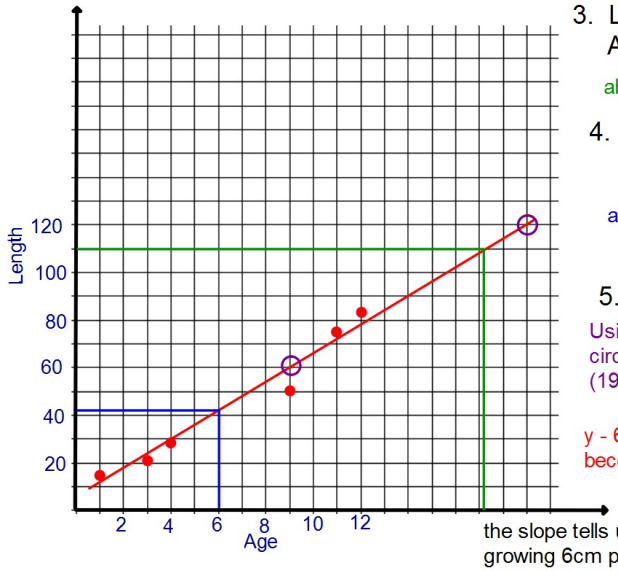
Using the two points circled in purple:
(3,10) and (16,40)
slope = 2.31 (this represents the tree is growing 2.31 feet per year.

EQ: y - 10 = 2.31(x - 3)
which becomes: y = 2.31x 3.07
the y-intercept represents the initial height of the tree when it was planted.

3rd hour bellwork

Length of a snake.

Age (yrs)	Length(cm)
1	15
3	21
4	28
9	52
11	75
12	83



3. Length = 110cm
Age =

about 17 years

4. Age = 6yrs
Length =

about 42 cm

5. Eq of trendline.

Using the two points circled: (9,60) and (19,120)
m = 6
y - 60 = 6(x - 9)
becomes: y = 6x + 6

the slope tells us that the snake is growing 6cm per year and the y-int represents the length of the snake when it was born.