BE-1A TUESDAY 3-13-07

1 DAY ≤ π DAY

FIND THE SLOPE OF THE LINE THROUGH EACH PAIR OF POINTS.

① $(2, -6), (5, 4)$

② $(3, 9), (3, 6)$

③ $(-4, 2), (6, 2)$

WRITE AN EQUATION OF A LINE:

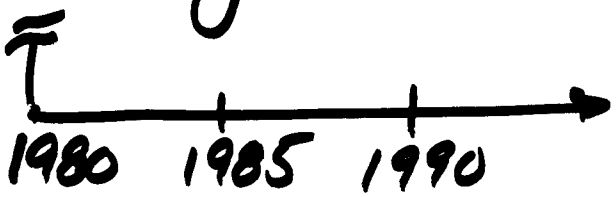
④ $\parallel$ to $y = 3x + 6$

⑤ $\perp$ to $y = 3x + 6$

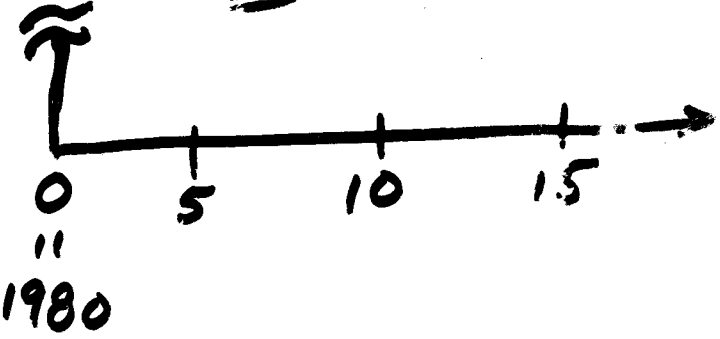
TAKE OUT HOMEWORK – Pg 303 # 24 to 28

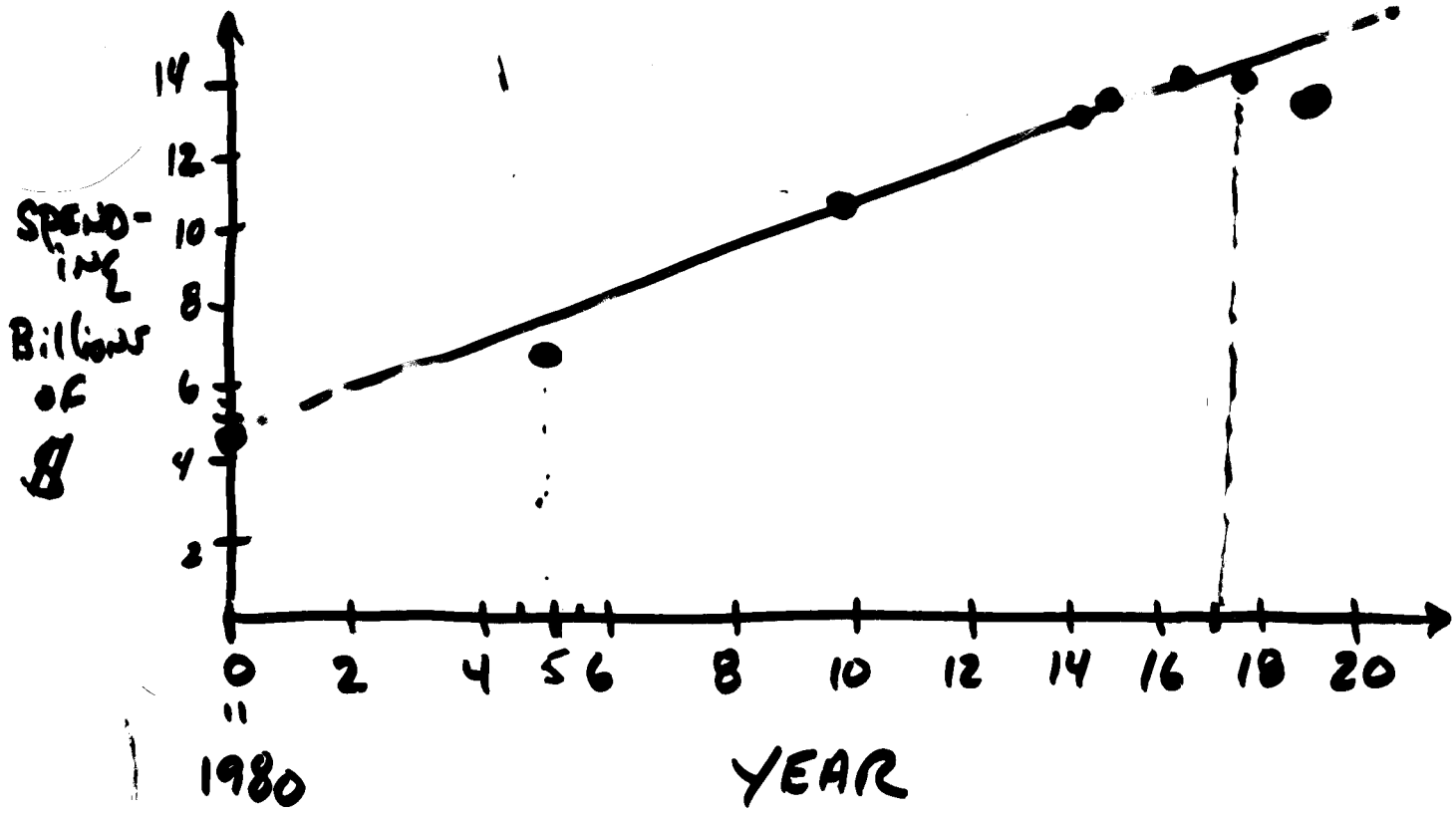
Homework Review - Pg. 303 #24-28

When years are your x-axis, for example:



rather than dealing with such large numbers, and a y intercept that will usually be meaningless, (like 1000 years ago, or more), pick your starting year and set it equal to zero. Put a note near the graph that says what the starting year is. For example:





(24) LINEAR, POSITIVE CORRELATION

(25) BEST FIT LINE

(26) USE (0, 4.5), (17, 13.1)

$$m = \frac{13.1 - 4.5}{17 - 0} = \frac{8.6}{17} \cong .51 = m$$

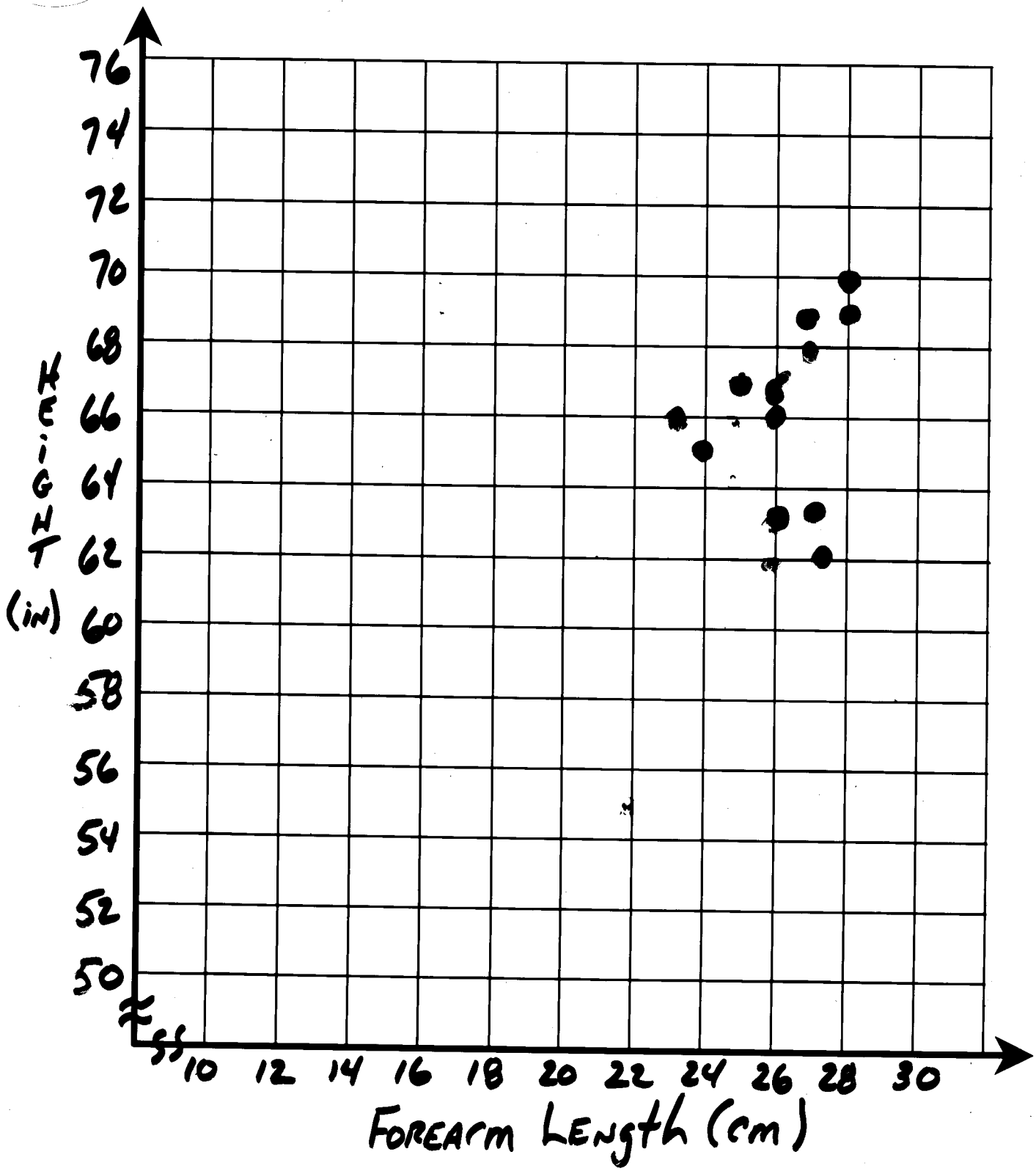
$$y = mx + b$$

$$4.5 = (.51)(0) + b$$

$$4.5 = b$$

$$y = .51x + 4.5$$

(27) $2005 \Rightarrow x = 25 \therefore y \cong .5(25) + 4.5 \cong$ 17 billion


76
74
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HEIGHT (in)
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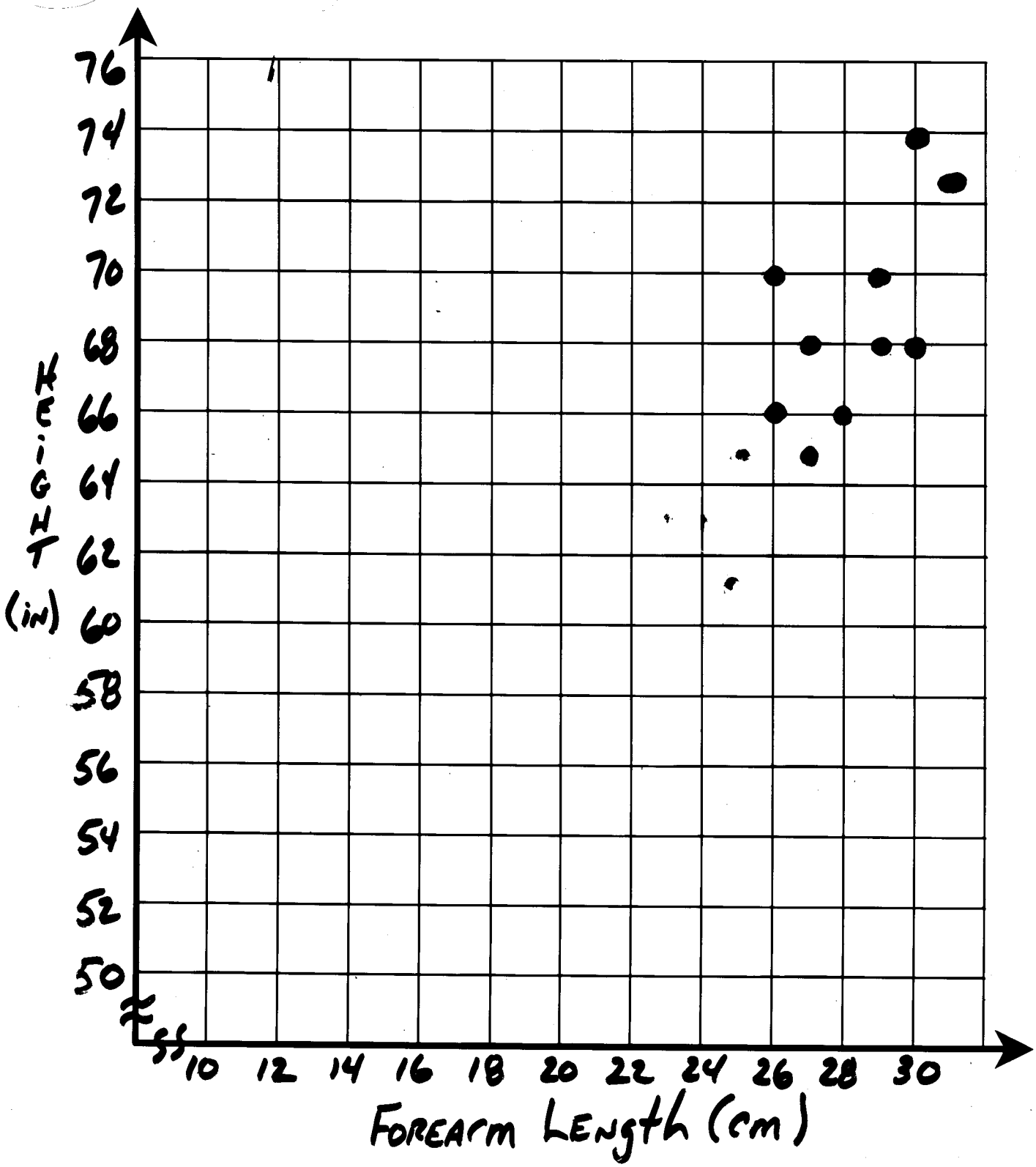
FOREARM LENGTH (cm)

Period 2 = 0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HEIGHT (in)
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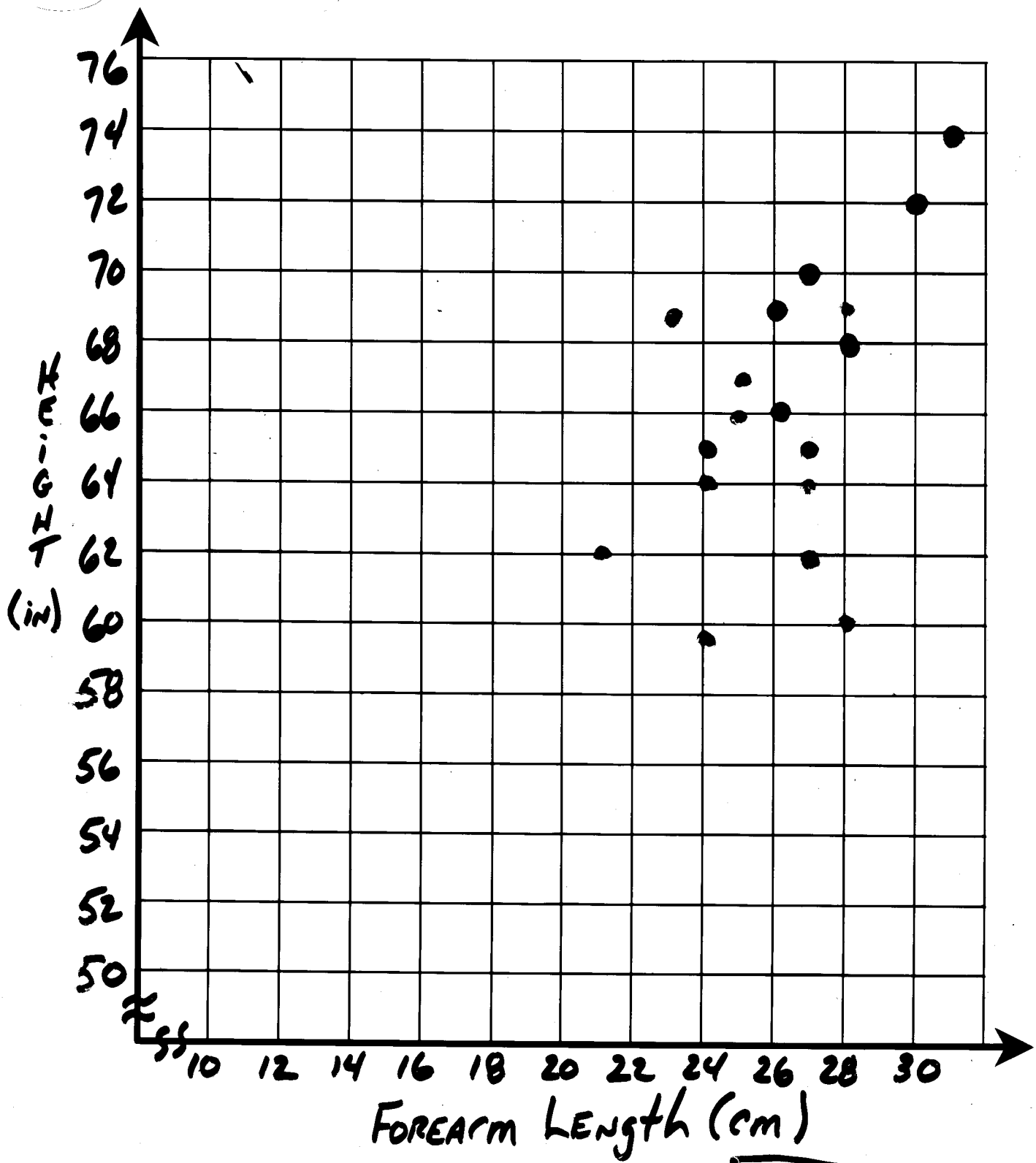
FOREARM LENGTH (cm)

PERIOD 5 = Δ


HEIGHT (in)
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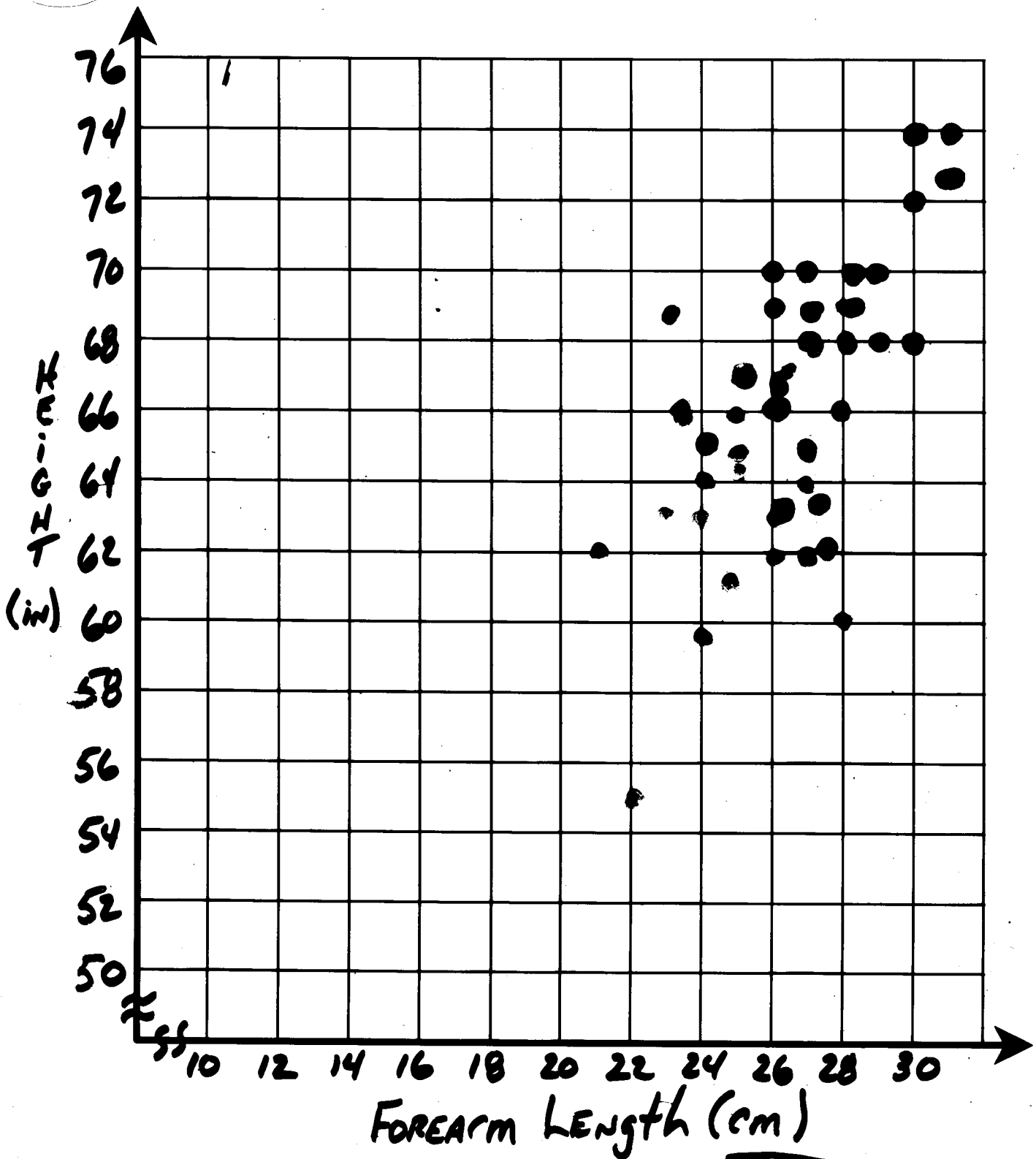
FOREARM LENGTH (cm)

PERIOD 6 = ●



Period 2 = ○

Period 5 = △

Period 6 = ●