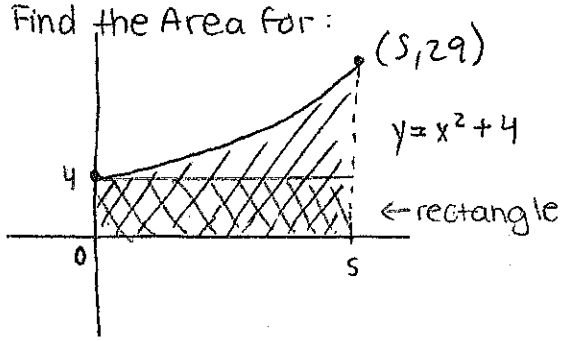
No ♀ ♂ the trouble ve

Helen
mar. 4/14
Block: C

Find the Area for:



$A = l \cdot w$
$= 4 \cdot 5$
$= 20$

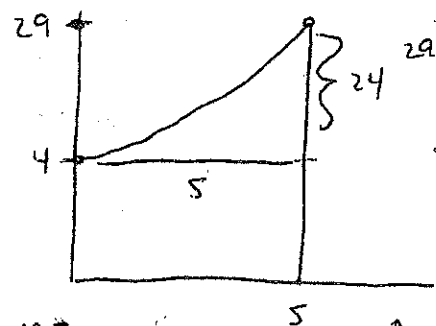
① look for shapes in shaded part where area can be found

thinking of the graph as a 1/4 circle does not work

x	y
0	4
1	5
2	6
3	7
4	8
5	9

does not work
used wrong
line equation

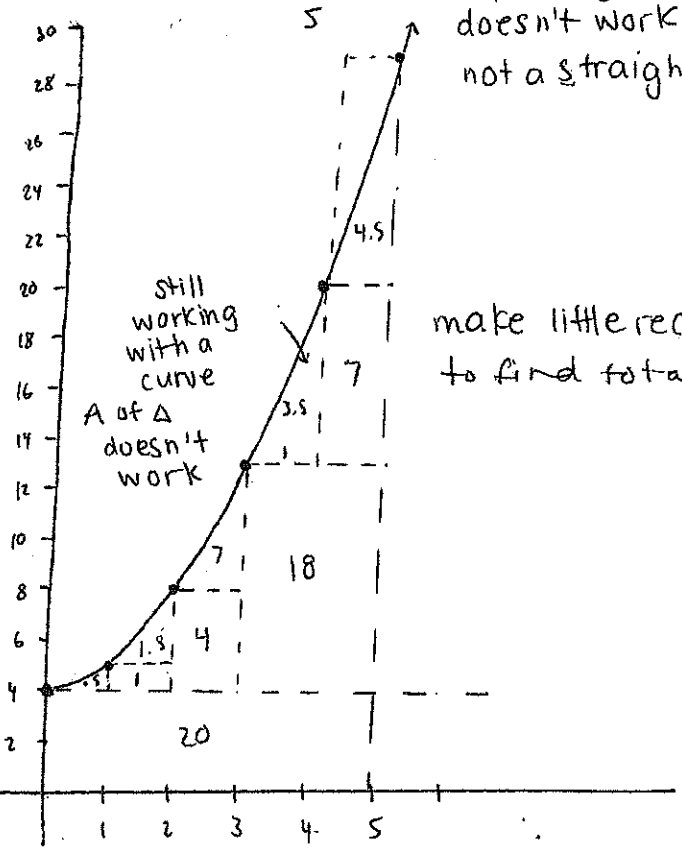
$x = 5$
$y = 29 \cdot (5^2 + 4)$



$29 - 5 = 24$
$a^2 + b^2 = c^2$
$24^2 + 5^2 = c^2$
$c = 24.5153013$

*pythagorean doesn't work → hyp not a straight line

x	y
0	4
1	5
2	8
3	13
4	20
5	29



still working with a curve
A of Δ doesn't work

make little rectangles to find total area

★ $\sum_{i=1}^{n} A_i$ } sum from $i=1$ to $\neq 1 = n$

Ex)

next pg.

Use mass

mass of paper: 4.60 g

mass of graph: 0.26 g

area of paper: $93.5\left(\frac{0.26}{4.60}\right) = 5.284\ in^2$

$$\frac{x}{1.45} = \frac{0.265}{0.74} \qquad x = 51.926$$

Thought process

① First tried to find rectangles/shapes in shaded area that area could be found for

② Tried to think of the graph as a 1/4 circle then figure out the area for that → didn't work

③ Pythagorean doesn't work on the triangle → curve

④ Graph the $y = x^2 + 4$ quadratic, try to form rectangles and squares and find individual areas and add together → couldn't find area of curved triangles.

⑤ found mass of paper and mass of individual graph and solved for x

ex) $\sum_{i=1}^{5} i = 1+2+3+4+5$ ...