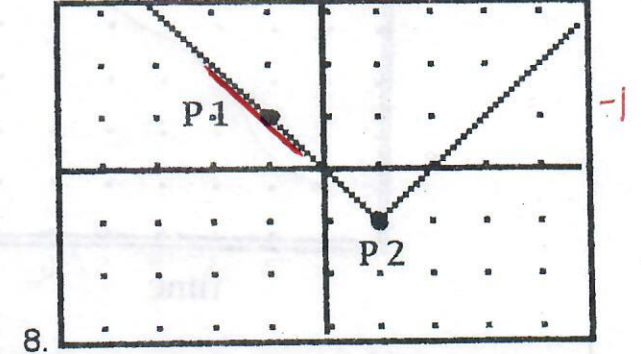
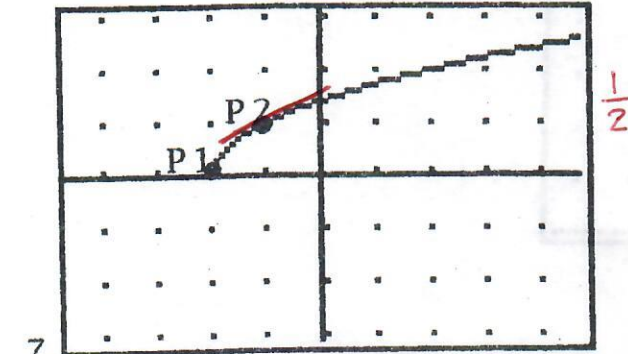
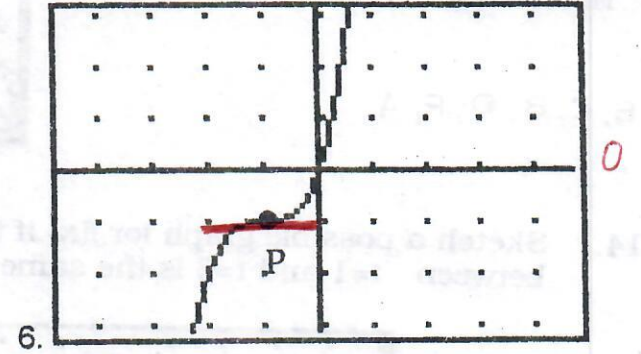
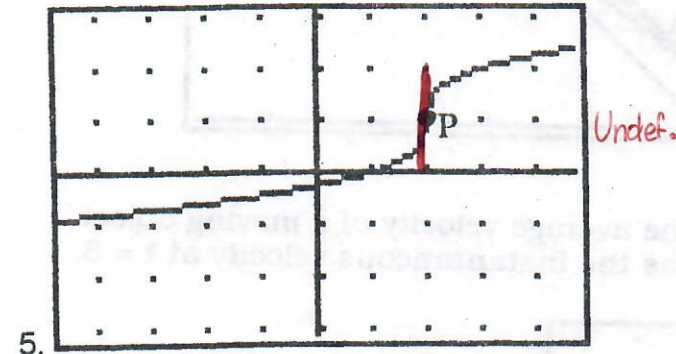
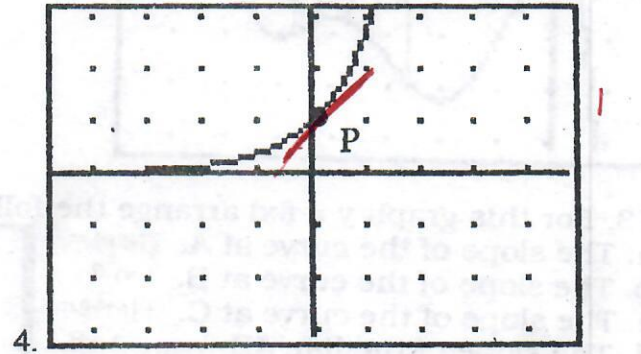
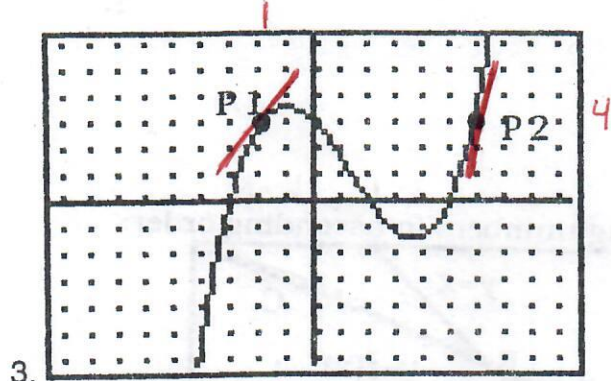
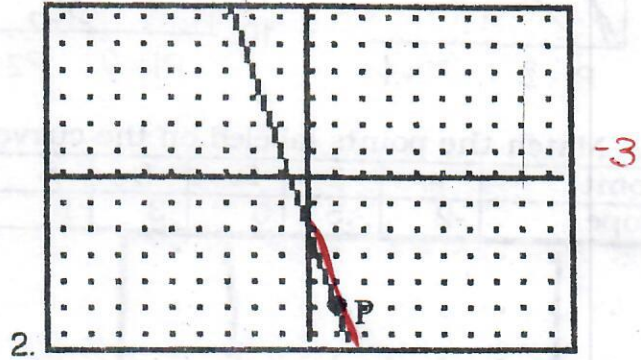
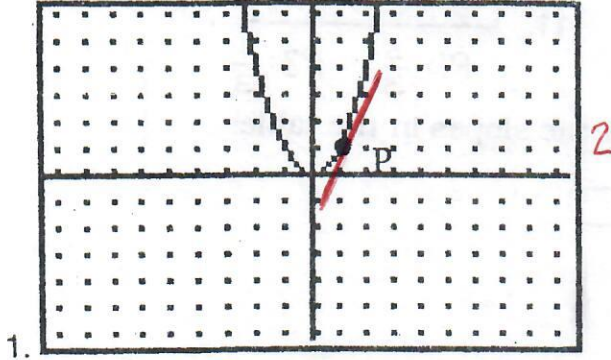
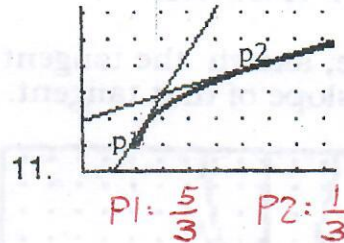
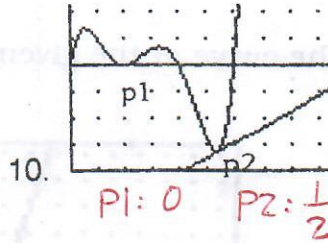
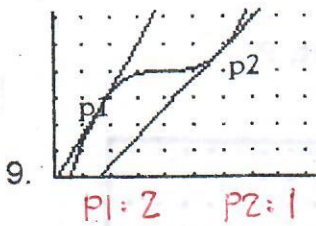


# THE SLOPE OF A CURVE

For each curve, sketch the tangent to the curve at the given point, P. Estimate the slope of that tangent.

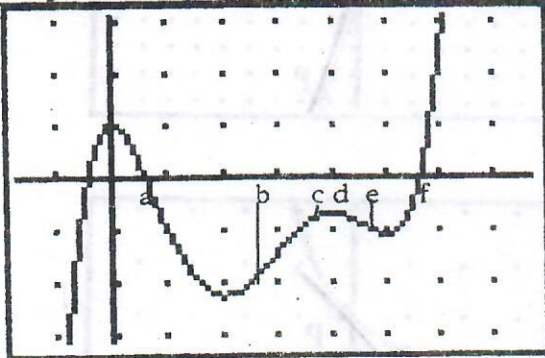


Estimate the slope of each curve at the point P.



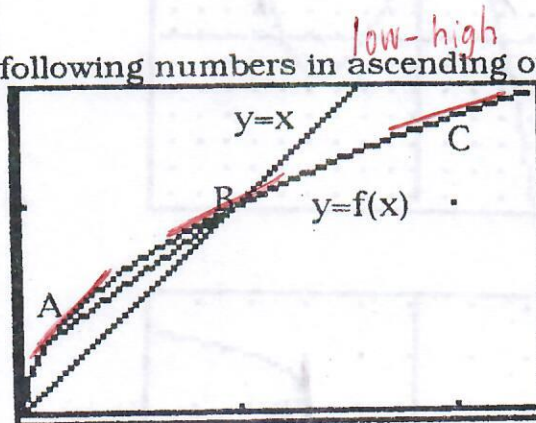
12. Match the points labeled on the curve with the slopes in the table:

point	A	E	D	C	B	F
slope	-2	-0.5	0	.3	1	3



13. For this graph  $y = f(x)$  arrange the following numbers in ascending order:

- The slope of the curve at A. *steeper*
- The slope of the curve at B. *mid*
- The slope of the curve at C. *flatter*
- The slope of the line AB. *avg. A-B.*
- The number 0.
- The number 1.



$E, C, B, D, F, A$

14. Sketch a possible graph for  $f(x)$  if the average velocity of a moving object between  $t=1$  and  $t=6$  is the same as the instantaneous velocity at  $t=3$ .

