


**FAST TRACK**

In 1948, the first stored-program computer was invented. In 1981, the first portable computer was made. In 1991, IBM released this kind of computer to the public. What is it called?

Write the equation of each line given its slope  $m$  and one coordinate point. Circle the  $y$ -intercept value in each equation. To spell out the answer to the question, match the letter of each problem to the corresponding  $y$ -intercept value given.

 **Tip:** First use the  $m$  value and point  $(x, y)$  in the equation  $y = mx + b$  to solve for  $b$ . Then plug the  $b$  and  $m$  values (not the point values) back into slope-intercept form. For example, if  $m = 2$  and a point on the line is  $(-1, 3)$ , then  $3 = (2)(-1) + b \rightarrow 5 = b$ , and the equation of the line is  $y = 2x + 5$ .

I.  $(3, -4), m = 2$

N.  $(10, 4), m = 1$

U.  $(-1, -2), m = 5$

T.  $(4, -2), m = -7$

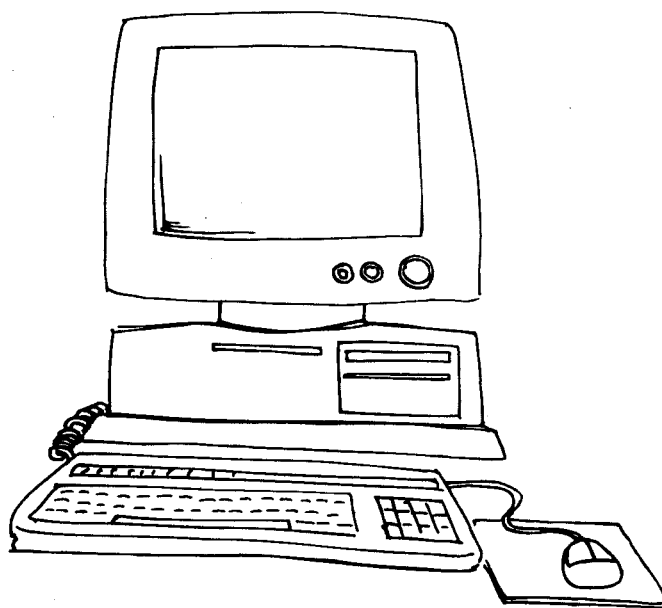
E.  $(-8, 6), m = 4$

P.  $(-1, -1), m = 6$

M.  $(8, 2), m = -1$

C.  $(-6, 0), m = -1/2$

P.  $(-3, 5), m = 9$



Answer:

32   38   -6   26   -10   3   10   5   -3