Subject 05   **GEOMETRY-VECTORS**

Please do not write on this exam paper and give it back at the end of the test

A LINEAR EQUATION IN STANDARD FORM

On a forum, we can read:

"I'm very confused about the standard form of the linear equation *Ax+By+C=0*. Where do *A*, *B*, and *C* come from? I'm supposed to translate point (- 3;5) with a slope of $\frac{1}{4}$ into a linear equation on standard form."

Could you help this person solve this problem:
- by using linear equations?
- by using vectors?
- by using any other methods?