

16. You are given that $HL = 5x + 6y$, $LK = 3x - 6y$ and $KN = 18x - 36y$.

(a) Express HK in terms of x and y in its simplest form. [2]

.....

.....

.....

.....

(b) (i) Show that $LN = kLK$ where the value of k is to be found. [2]

.....

.....

.....

.....

.....

.....

(ii) What can you say about the points L , K and N ? [1]

.....

.....

Turn over for Question 17.