

X	1	2	1.6	3.1	2.2
Y	3	4.5	3.1	9.5	2.2

(a) ARE X AND Y CORRELATED?

(b) FIND THE BEST-FIT LINE (LEAST-SQUARES LINE) THROUGH THESE POINTS.

(c) GRAPH THE POINTS AND THE LINE.

(d) PREDICT y FOR (i) $x=0$, (ii) $x=20$, (iii) $x=-5$.