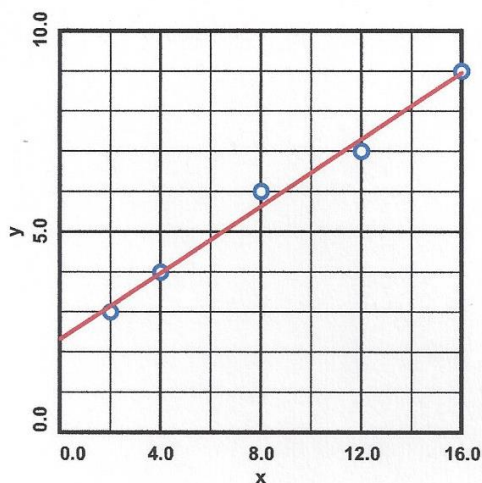


PRE-AP ALGEBRA 2

- 1) For the set of points in the graph:



- a) find the linear regression equation,
b) graph the equation on the grid above,
c) find r and r^2 ,
d) state if the correlation is positive or negative, and
e) state if there is little correlation or good correlation.

$$y = 0.415x + 2.317$$

on grid

$$r = 0.9946 \quad r^2 = 0.9893$$

positive correlation ($r > 0$)

good correlation ($r^2 \approx 1$)

1A.2. CLASSWORK

- 2) Use linear regression to find the equation of the line which passes through the two points (1,8) and (4,14).

$$y = 2x + 6 \quad (r^2 = 1)$$