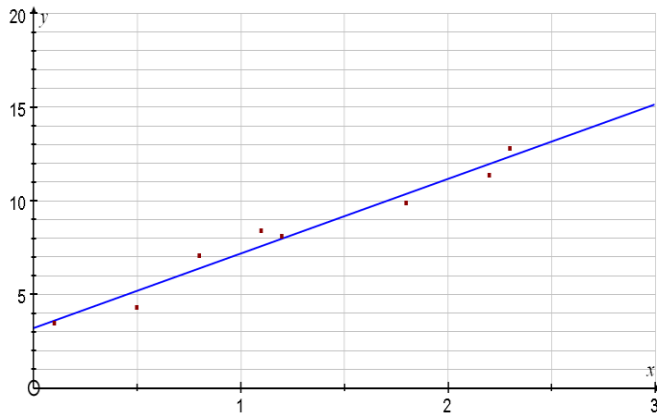


# Regression Matching Activity

## Answers

x	1.2	0.5	0.8	0.1	2.3	1.1	1.8	2.2
y	8.1	4.3	7.1	3.5	12.8	8.4	9.9	11.4

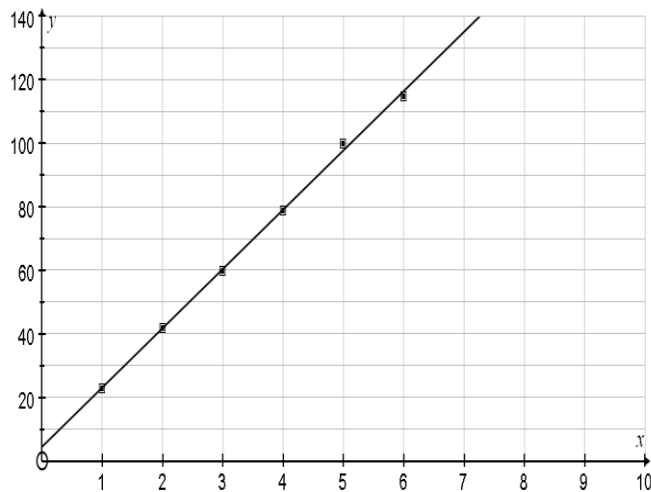


$$r = 0.981$$

$$(\bar{x}, \bar{y}) = (1.25, 8.19)$$

$$y = 3.21 + 3.98x$$

x	1	2	3	4	5	6
y	23	42	60	79	100	115

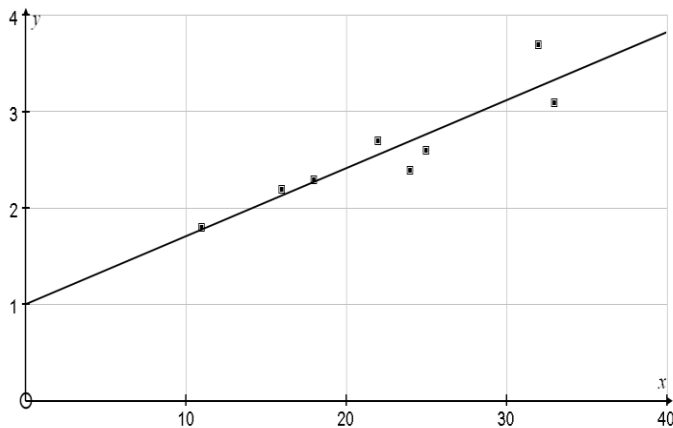


$$r = 0.999$$

$$(\bar{x}, \bar{y}) = (3.50, 69.8)$$

$$y = 4.53 + 18.7x$$

x	11	25	22	16	18	33	32	24
y	1.8	2.6	2.7	2.2	2.3	3.1	3.7	2.4



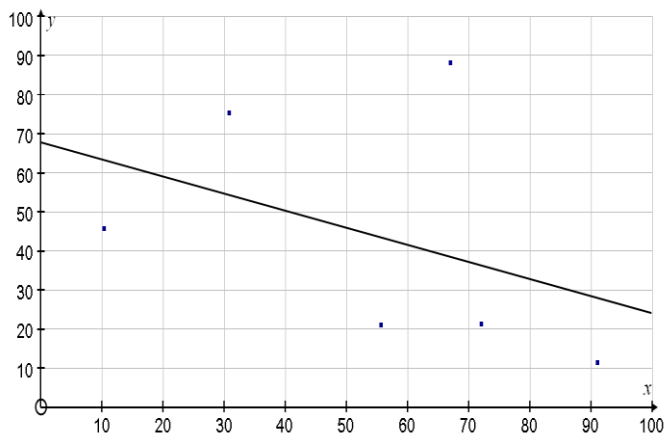
$$r = 0.915$$

$$(\bar{x}, \bar{y}) = (22.6, 2.60)$$

$$y = 1.00 + 0.0706x$$

# Regression Matching Activity

$x$	55.7	10.4	67.1	91.2	30.8	72.1
$y$	21.2	45.9	88.3	11.4	75.4	21.4

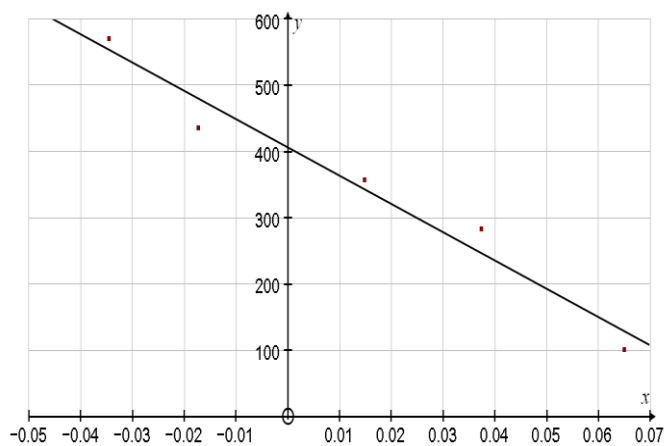


$$r = -0.405$$

$$(\bar{x}, \bar{y}) = (54.6, 43.9)$$

$$y = 67.8 - 0.4375x$$

$x$	0.0149	0.0375	-0.0172	-0.0345	0.0651
$y$	357.2	284.3	435.8	571.9	101.2

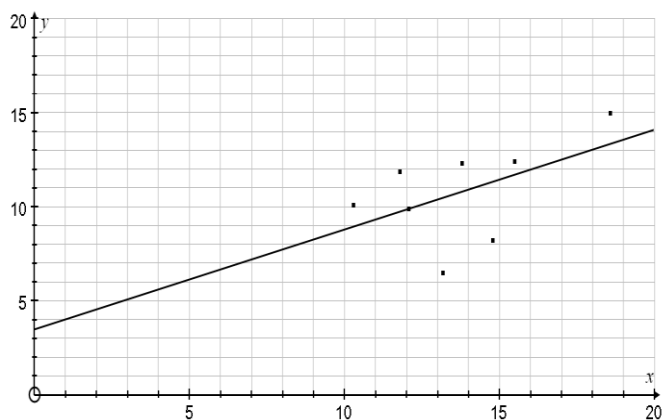


$$r = -0.981$$

$$(\bar{x}, \bar{y}) = (0.0132, 350)$$

$$y = 406 - 4269x$$

$x$	14.8	10.3	13.2	18.6	12.1	11.8	13.8	15.5
$y$	8.2	10.1	6.5	15.0	9.9	11.9	12.3	12.4



$$r = 0.510$$

$$(\bar{x}, \bar{y}) = (13.8, 10.8)$$

$$y = 3.48 + 0.531x$$