



What type of correlation is shown in the above scatter plot?

Draw a line of best fit.

Write the equation for the line of best fit you have drawn.

Use linear regression in desmos to find a precise equation for a line of best fit.

Estimate the mass of a man with a shoe size of 9.5.

Matching

Match each of the following simplified expressions on the left with it’s matching factored expression on the right.

**11.\_\_\_\_\_\_**

**12.\_\_\_\_\_\_**

**13.\_\_\_\_\_\_**

**14.\_\_\_\_\_\_**

**15.\_\_\_\_\_\_**

|  |  |
| --- | --- |
| **11.** $x$ | **a.** $\left(3x+7\right)+(4x-9)$ |
| **12**. $x^{2}-9$ | **b.**  $(x-3)(x+3)$ |
| **13**. $7x-2$ | **c.** $(2x-5)(x+5)$ |
| **14.** $12x^{2}-20x-8$ | **d.** $4(x-2)(3x+1)$ |
| **15**. $2x^{2}+5x-25$ | **e.** $\left(8x-9\right)-(7x-9)$ |

Given each function, evaluate for the value of x.

f(x) = 3x2 + 2x – 8 g(x) = -2x2 – 6x + 1

f(4)= g(-3) =

Determine whether each recursive function is linear, exponential, or