

Answer on Question#43361 – Math – Algebra

Find the zero of the linear function

$$f(x) = \frac{2}{3}x - 12$$

Solution:

A zero is a point at which a function's value will be equal to zero.

To find the zeros of function $f(x)$, solve the equation:

$$f(x) = 0$$

$$\frac{2}{3}x - 12 = 0$$

$$\frac{2}{3}x - 12 + 12 = 0 + 12$$

$$\frac{2}{3}x = 12$$

$$\frac{2}{3}x \cdot \frac{3}{2} = 12 \cdot \frac{3}{2}$$

$$x = 18$$

Answer: the zero of the function is give by $x = 18$