

January 5th

The mean is the sum of all of the numbers $\div 7$ (since there are 7 numbers)

Therefore the total must be $10 \times 7 = 70$

So

$$x + 3 + 4x - 5 + x + 3 + x - 2 + 10 - 2 = 70$$

Simplifying

$$7x + 7 = 70$$

$$x = 9$$

So the numbers are

9, 3, 31, 12, 7, 10, -2

In order

-2, 3, 7, 9, 10, 12, 31

Median = 9