a b c pass into list

Central Tendencies

1) a) 2, 4, 5, 5, 7, 9, 11, 13

$$= \frac{2+4+5+5+7+9+11+13}{7} = \frac{49}{7} = \boxed{7}$$

b) $$\frac{2.2+4.9+5.9+10.2+10.5+11.1+14.7}{7}$$

$$= \boxed{8.5}$$

c) 2.75, 10.5, 25.2, 7.75, 10.5

$$= \frac{2.75+10.5+7.75+10.5+25.2}{5}$$

$$= \boxed{11.34}$$

3) mean & median of first 5 prime no

$p = [2, 3, 5, 7, 11]$

$$\frac{28}{5} = \boxed{5.6}$$

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4.

$$\frac{8+11+6+14+x+13}{6} = 66$$

$$x = \frac{66 \times 6}{2}$$

$$x = \frac{99}{13}$$

$$\boxed{x = 7.6}$$

5)

$$\frac{6+8+x+2+10+2x-1+2}{6} = 9$$

$$\frac{27+3x}{6} = 9$$

$$3x = 54$$

$$x = \frac{54}{27 \times 3} = \boxed{0.66}$$

6)

a) $$= \frac{60+30+30+84+32}{20}$$

$$= \boxed{11.8}$$

b) $$\frac{200+360+150+180+96}{40}$$

$$= \boxed{24.65}$$

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7. a) 8

b) 17

c) 3

d) No mode

8) $17 + x + 24 + x + 7 + 35 + 36 + 46$ =

$n = 7$

$\frac{n+1}{2} = 25$ $\boxed{x = 18}$

$\frac{x+7+1}{2} =$

$\frac{x+7+1}{2} = 25$

Since the median is $\frac{7+1}{2} = 25$

$\boxed{25}$ & the center most element is $\boxed{x+7}$

$x + 8 = 25$

$x = 25 \times 2 = 50$

84

$\boxed{25}$

$25 - 7 = 18$

$625 - 7 = 13$

18

9) $x, 17, x+7, 24, 35, 36, 46$

18 23

find x $\boxed{\text{median} = 25}$

given $\frac{n+1}{2} = 25$

Since the median is 25 the possible values of x can be either $\boxed{25 \text{ or } 18}$

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(10) a) will we mode

c) moon

d) mode

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