

Valor absoluto

Ejercicios:

1. Calcula:

a. $|-3\pi - 5\pi|$

$$9,42 + 15,70 = 25,12$$

b. $|13 + 2| = |15| = 15$

c. $|2,5 + (-8,3)|$

$$2,5 - 8,3 = -5,8$$

d. $|7| - |-8|$

$$7 - 8 = -1$$

e. $|-9 + 3| - |11|$

$$6 - 11 = -5$$

$$f. (-2) \times |6-7|$$

$$2 \times -1 = 1$$

$$g. |-4-12| \div 8$$

$$16 \div 8 = 2$$

$$h. 4 \times |-15+13|$$

$$4 \times 2 = 8$$

②

	A	B	C	d.(A,B)	d.(B,C)	d.(A,C)
1	-7	-4	2	-3	6	9
2	0,2	-2,1	-3,5	2,3	1,4	3,7
3	$-\frac{27}{10}$	3	-2	30	5	4,7
4	π	-3π	5π	12,56	25,12	18,82
5	$\frac{4}{3}$	$\frac{1}{6}$	$-\frac{2}{9}$	1,46	0,36	1,5

Ejercicios:

① d.(A.B)

$$\begin{aligned}d.(-7, -4) &= |-4 - (-7)| = |-4 + 7| \\ &= |3| = 3\end{aligned}$$

d.(B.C)

$$\begin{aligned}d.(-4, 2) &= |2 - (-4)| = |2 + 4| \\ &= |6| = 6\end{aligned}$$

d.(A.C)

$$\begin{aligned}d.(-7, 2) &= |2 - (-7)| = |2 + 7| \\ &= |9| = 9\end{aligned}$$

② d.(A.B)

$$\begin{aligned}d.(0, 2, -2, 1) &= |0, 2 - (-2, 1)| = |0, 2 + 2, 1| \\ &= |2, 3| = 2, 3\end{aligned}$$

$d.(B,C)$

$$d.(-2,1,-3,5) = |-3,5 - (-2,1)| = |3,5 - 2,1|$$
$$= |1,4| = 1,4$$

 $d.(A,C)$

$$d.(0,2-3,5) = |0,2 - (-3,5)| = |0,2 + 3,5|$$
$$= |3,7| = 3,7$$

 $③ \quad d.(A,B)$

$$d.\left(-\frac{27}{10}, 3\right) = |3 - (-27)| = |3 + 27|$$
$$= |30| = 30$$

 $d.(B,C)$

$$d.(3,-2) = |3 - (-2)| = |3 + 2|$$
$$= |5| = 5$$

d. (A.C)

$$d. \left(-\frac{27}{10}, -2\right) = |-2 - (-2,7)| = |2 - 2,7|$$
$$= |4,7| = 4,7$$

④ d. (A.B)

$$d. (\pi, -3\pi) = |3,14 - (-9,42)| = |3,14 + 9,42|$$
$$= |12,56| = 12,56$$

d. (B.C)

$$d. (-3\pi, 5\pi) = |15,70 - (-9,42)| = |15,70 + 9,42|$$
$$= |25,12| = 25,12$$

d. (A.C)

$$d. (\pi, 5\pi) = |15,70 + 3,14| = 15,70 + 3,14$$
$$= 18,82$$

⑤ d.(A.B)

$$d.\left(\frac{4}{3}, \frac{1}{6}\right) = |0,16 + 1,3| = 0,16 + 1,3 \\ = 1,46$$

d.(B.C)

$$d.\left(\frac{1}{6}, -\frac{2}{9}\right) = |0,2 - (0,16)| = |0,2 + 0,16| \\ = |0,36| = 0,36$$

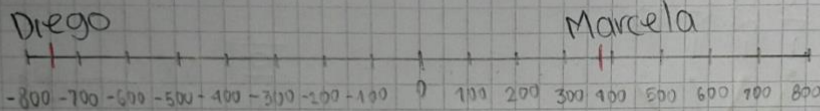
d.(A.C)

$$d.\left(\frac{4}{3}, -\frac{2}{9}\right) = |0,2 - (-1,3)| = |0,2 + 1,3| \\ = |1,5| = 1,5$$

③

Occidente

Oriente



a. Diego se encuentra a 750m de distancia del punto de partida y Marcela a 380m del punto de partida.

b. $750 + 380 = 1130$

Se encuentran a 1130m uno de el otro.

④

a. $d(3, -7) = 10$

b. $d(8, -4) = 12$

c. $d(-10, -13) = 3$

d. $d(-2, 5) = 7$

e. $d(-2, 3, 8) = 6$



$$\begin{aligned} \text{a. } d(3, -7) &= |7 - (-3)| = |3 + 7| \\ &= |10| = 10 \end{aligned}$$

$$\begin{aligned} \text{b. } d(8, -4) &= |4 - (-8)| = |8 + 4| \\ &= |12| = 12 \end{aligned}$$

$$\begin{aligned} \text{c. } d(-10, -13) &= |-13 - (-10)| = |13 - 10| \\ &= |3| = 3 \end{aligned}$$

$$\begin{aligned} \text{d. } d(-2, 5) &= |5 - (-2)| = |5 + 2| \\ &= |7| = 7 \end{aligned}$$

$$\begin{aligned} e. d. (-2, 2, 3.8) &= |3.8 - (-2, 2)| = |3.8 + 2, 2| \\ &= |6| = 6 \end{aligned}$$