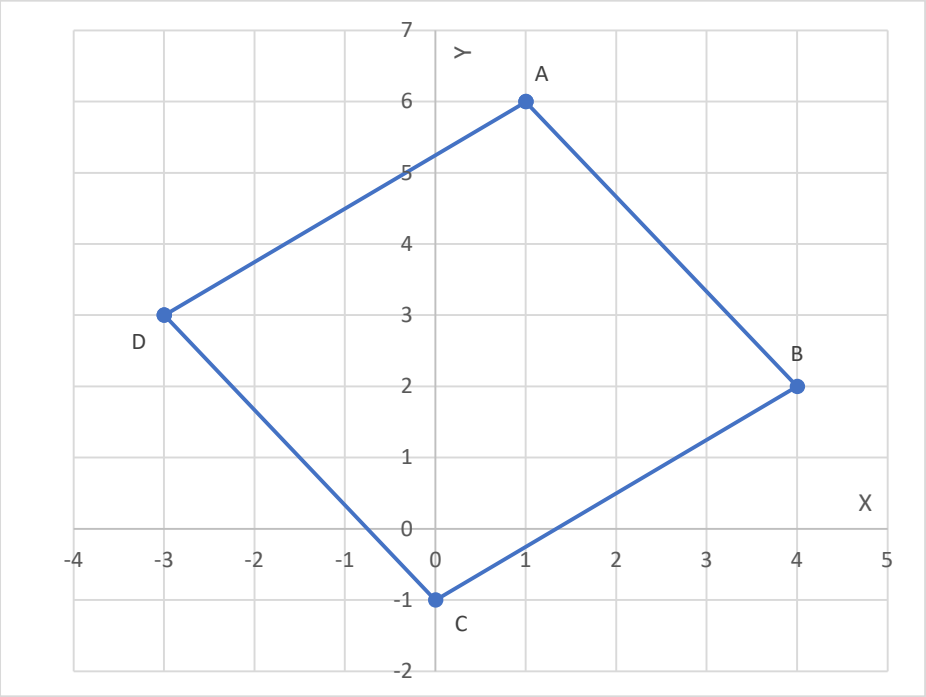
Di seguito le correzioni del lavoro inviato in precedenza.

Prof. Dal Molin

Esercizio 1

	X	Y
A	1	6
B	4	2
C	0	-1
D	-3	3



A - B	5
B - C	5
C - D	5
A - D	5
Perimetro	20

$$\overline{AB} = \sqrt{(x_A - x_B)^2 + (y_A - y_B)^2} = \sqrt{(1-4)^2 + (6-2)^2}$$

$$\overline{BC} = \sqrt{(x_B - x_C)^2 + (y_B - y_C)^2} = \sqrt{(4-0)^2 + (2-(-1))^2}$$

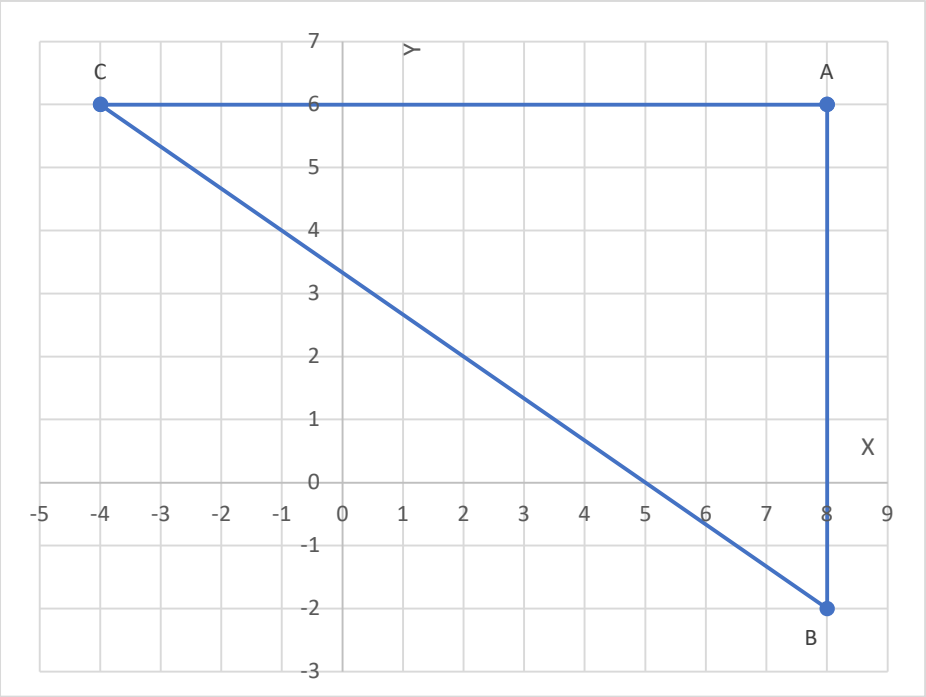
$$\overline{CD} = \sqrt{(x_C - x_D)^2 + (y_C - y_D)^2} = \sqrt{(0-(-3))^2 + (-1-3)^2}$$

$$\overline{AD} = \sqrt{(x_A - x_D)^2 + (y_A - y_D)^2} = \sqrt{(1-(-3))^2 + (6-3)^2}$$

$$Perimetro = \overline{AB} + \overline{BC} + \overline{CD} + \overline{AD}$$

Esercizio 2

	X	Y
A	8	6
B	8	-2
C	-4	6



A - B	8
B - C	14,42
A - C	12
Perimetro	34,42
Area	48

$$\overline{AB} = \sqrt{(x_A - x_B)^2 + (y_A - y_B)^2} = \sqrt{(8 - 8)^2 + (6 - (-2))^2}$$

$$\overline{BC} = \sqrt{(x_B - x_C)^2 + (y_B - y_C)^2} = \sqrt{(8 - (-4))^2 + (-2 - 6)^2}$$

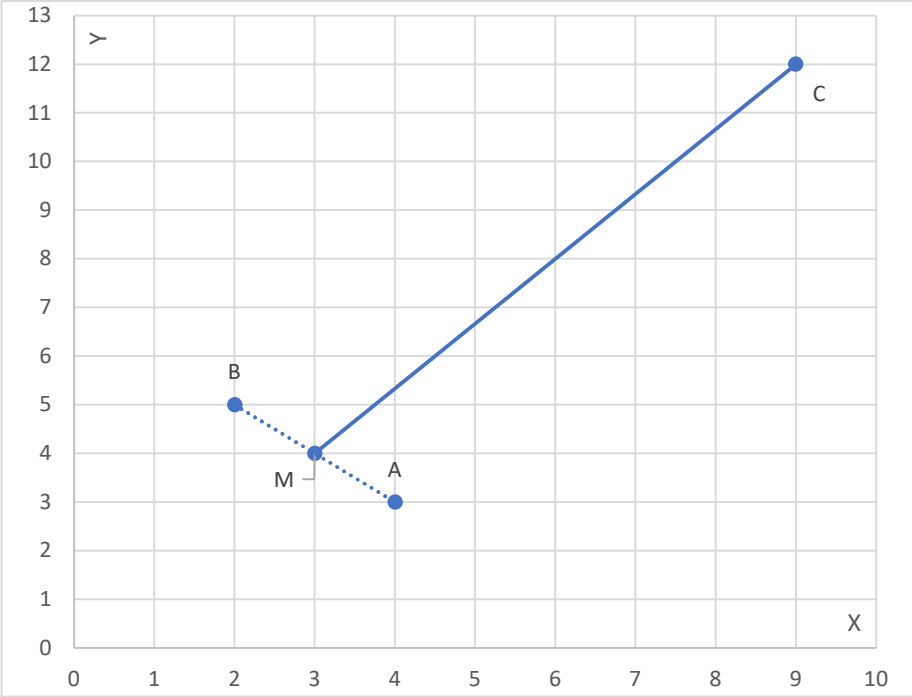
$$\overline{AB} = \sqrt{(x_A - x_B)^2 + (y_A - y_B)^2} = \sqrt{(8 - (-4))^2 + (6 - 6)^2}$$

$$Perimetro = \overline{AB} + \overline{BC} + \overline{AC}$$

$$Area = \frac{\overline{AB} * \overline{AC}}{2}$$

Esercizio 3

	X	Y
A	4	3
B	2	5
C	9	12



	X	Y
Punto Medio M	3	4

C - M	10

$$x_M = \frac{x_A + x_B}{2} = \frac{4+2}{2}$$

$$y_M = \frac{y_A + y_B}{2} = \frac{3+5}{2}$$

$$\overline{CM} = \sqrt{(x_C - x_M)^2 + (y_C - y_M)^2} = \sqrt{(9-3)^2 + (12-4)^2}$$