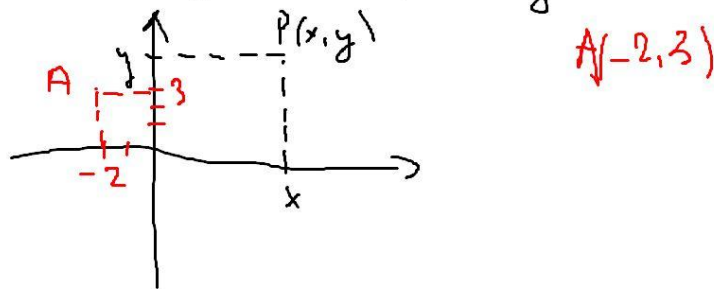
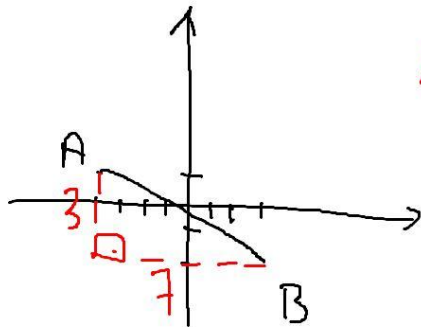


Geometria analityczna

Odległości na płaszczyźnie



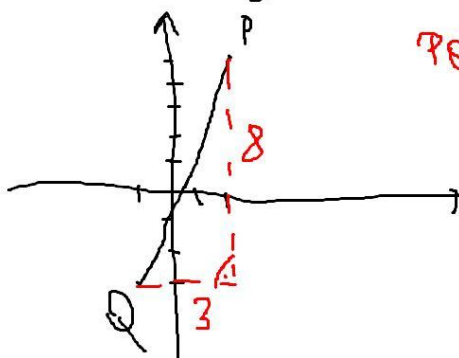
$A(-4, 1)$ $B(3, -2)$
oblicz odległość między punktami A i B



$$AB^2 = 7^2 + 3^2 = 49 + 9 = 58$$

$$AB = \sqrt{58}$$

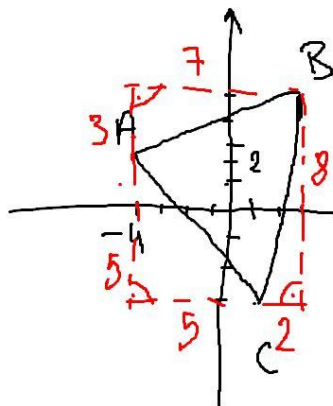
$P(2, 5)$ $Q(-1, -3)$
oblicz długość odcinka PQ



$$PQ^2 = 3^2 + 8^2 = 9 + 64 = 73$$

$$PQ = \sqrt{73}$$

$A(-4, 2)$ $B(3, 5)$ $C(1, -3)$
 Oblicz obwód trójkąta ABC



$$AB^2 = 7^2 + 3^2 = 49 + 9 = 58$$

$$AB = \sqrt{58}$$

$$BC^2 = 2^2 + 8^2 = 4 + 64 = 68$$

$$BC = \sqrt{68}$$

$$AC^2 = 5^2 + 5^2 = 25 + 25 = 50$$

$$AC = \sqrt{50}$$

$$\text{Obw} = \sqrt{58} + \sqrt{68} + \sqrt{50}$$