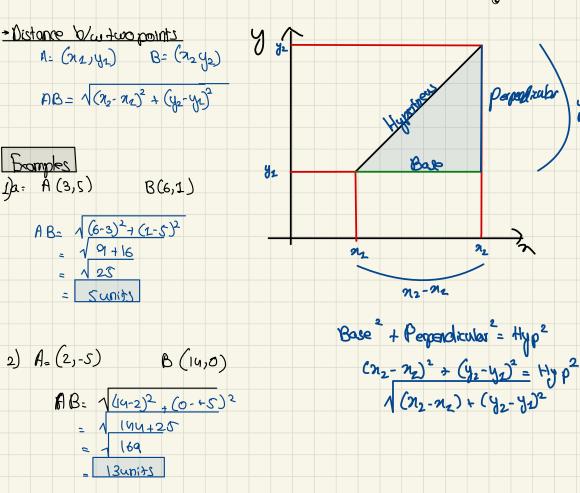
Coordinate Geometry.



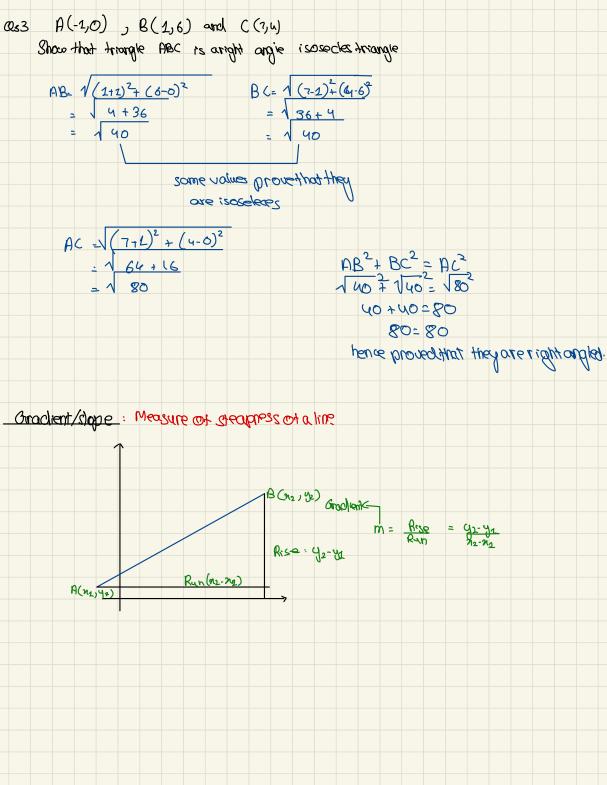
2a)
$$A(a,s)$$
 $B(3,q)$. Giventhat $AB = Sunits$ Find the values of a

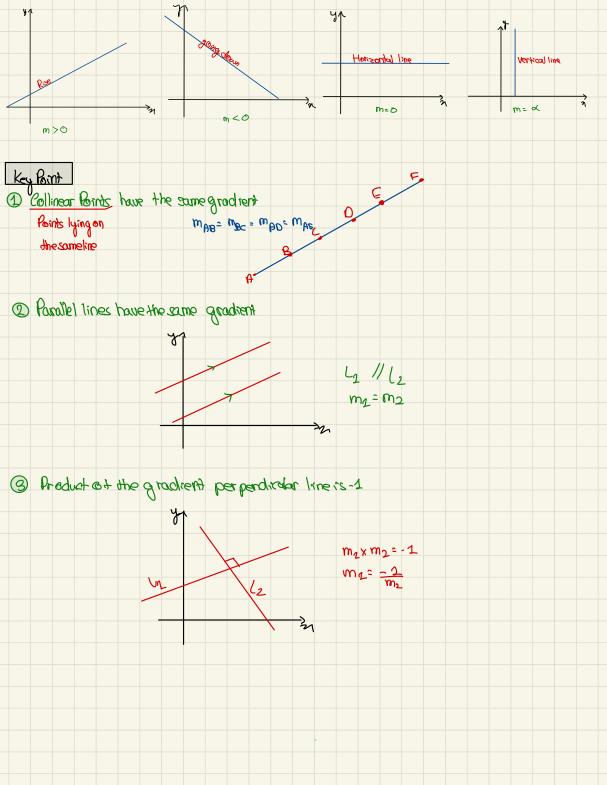
$$(3-a)^2 = 9$$

 $3-a = 23$
 $a = 0$
 $a = 6$

 $A0: \sqrt{(3-a)^2 + (a\cdot 5)^2} = 5$ $(3-a)^2 + 16 = 25$

(b) P (o, -2) Q (6, 13). Given that PQ = 17 units. Find the values of P.





4) A
$$(-1,-5)$$
, B $(5,-2)$ and $C(2,1)$

ABCD is a traperium

AB is parallel to OC and angle BAD is 90

Find the condinates of D.

$$(-1,5)$$

$$m_{AB} = \frac{-2+5}{5-1} = \frac{3}{6}$$

$$(-1,5)$$

$$m_{AB} = \frac{-1}{2}$$

$$m_{AB} = \frac{-1$$

