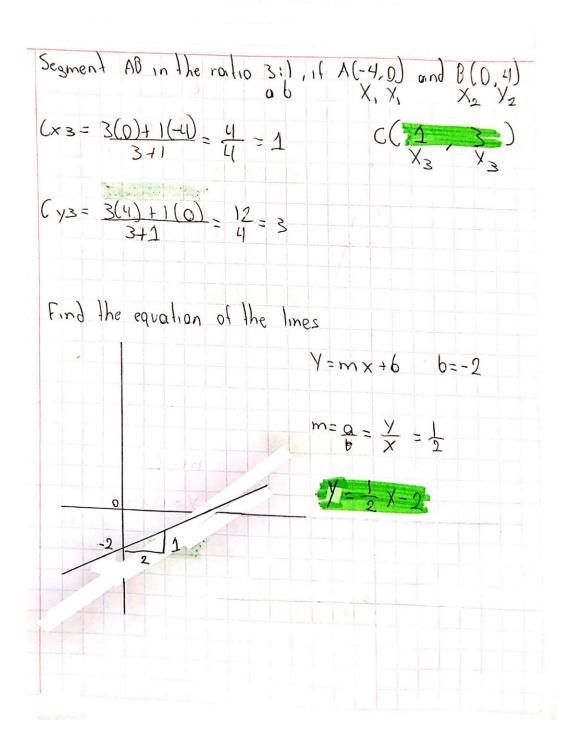
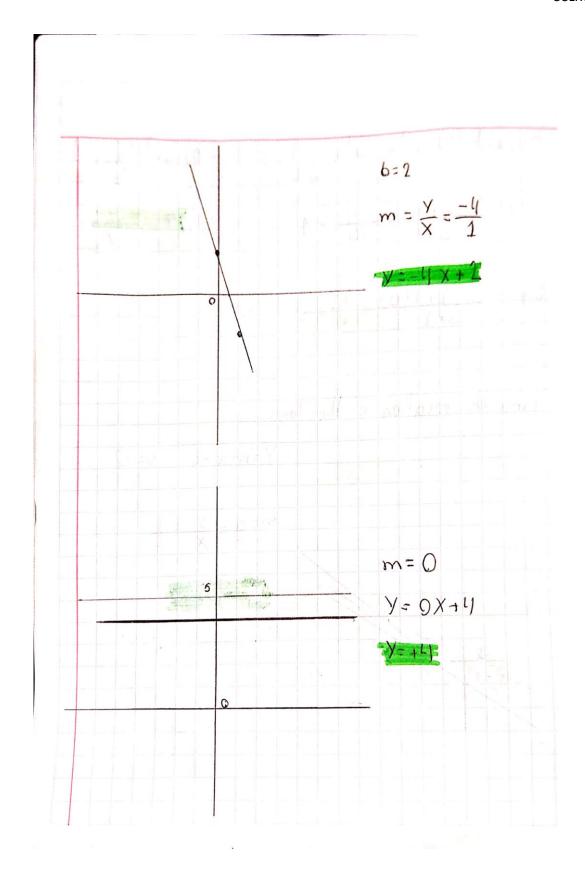
```
General review
          3 elements of a corresion plane
  Things you can do in coordinate geometry
 If you know the coordinates of a group of points
  you can;
         Determine the distance between points.
         Find the midpoint, slope and equation of a line segment
        Calculate the color of two points
        Slope, intercept are elements of the equation of the triangle
 Calculate the distance between the two point
                B (30,10)
 DAB=((10-20)2+(30-15)2
 DAB = 1 100 +225
2) ((30,25)
               0 (30,10)
```

3) E (-10,10)
$$f(0,0)$$

 x_1, y_1, x_2, y_2
DEF = $\sqrt{(0-10)^2 + (0-(-10))^2}$
 $\sqrt{(0-(-10)^2 + (0-(-10))^2}$
 $\sqrt{(0-($





I find the equation of the line that has a slope of 13 and gasses through the point (-3,2) 2 = 13(-3) + 6 2 = -39 + 6 +39 + 392 find the equation of the line that has a sope of 16 and a y-intercept of 20. Y=16x-10 3 find the equation of the line that passes through the points (4,13) and (-15,6) $m = \frac{y}{x} = \frac{6-13}{-15-4} = \frac{-7}{-19} = \frac{7}{19}$ $13 = \frac{7}{19}(1) + 6$ 13 = 28 + 6 13 = 28 + 6 13 = 28 + 613 - 28 - 6 247-28 -219 = 6

4 find the slope of the line whose equation is 17y-9x=
10.

Y=mx+C

Y=9x+27

Slope of 9

5 find the equation of the line that has aslope of 16 and passes through the point (-5, 9)

9=16(-5)+b

2=-80+b

180=180

82=b

Extra:

find the equation of the line - Slope is 7, X intercept is -2 a=2 (2,0)

X y

0=7(-2)+b 0=141 14+14