

GENERAL REVIEW

MENTION 3 THE ELEMENTS OF A CARTESIAN PLANE

TRUE OR FALSE

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 points

A(15,20) B(30,10)

2) C(30,25) D(30,10)

3) E(-10 , 10) F(0,0)

Calculate the midpoint C of a line segments

(3,6) to (5,10)

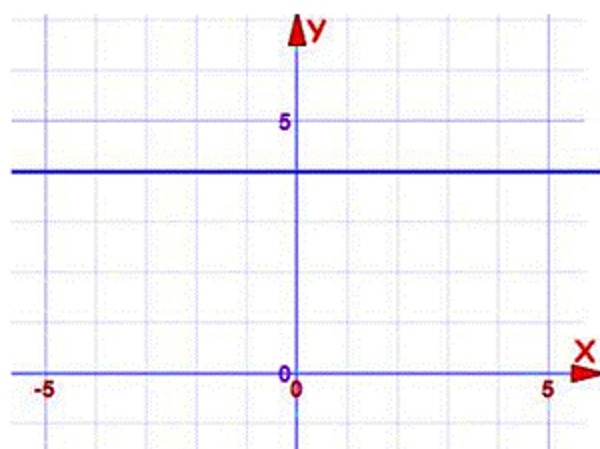
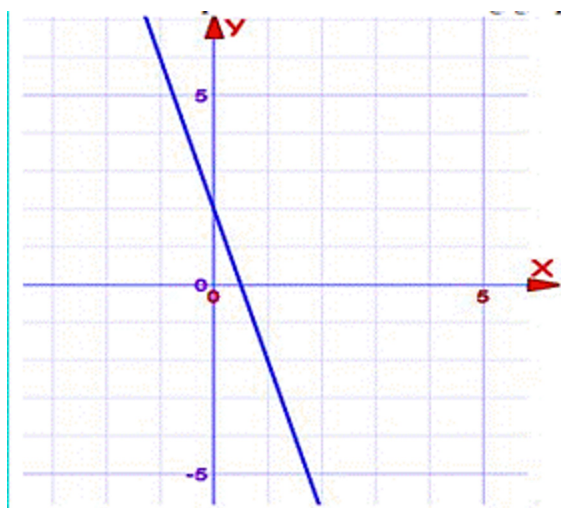
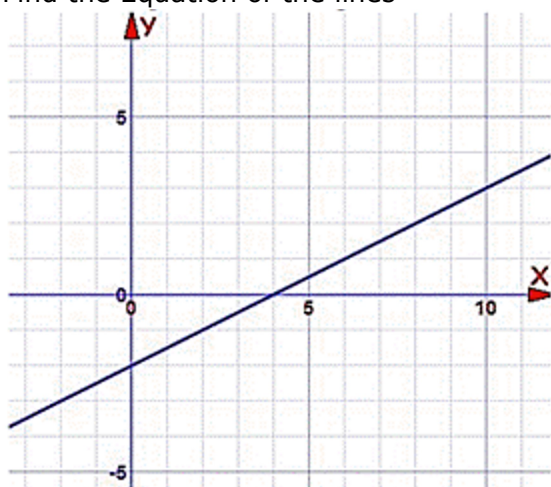
2) (-3,2) to (3,2)

What are the coordinates of the point C that divides the direct line segments:

Segment AB in the Ratio 2:3, if A(-4 , 4) and B(6 , -5)

Segment AB in the Ratio 3:1, if A(-4 , 0) and B (0 , 4)

Find the Equation of the lines



1. Find the equation of the line that has a slope of 13 and passes through the point $(-3, 2)$

2. Find the equation of the line that has a slope of 16 and a y-intercept of 20.

3. Find the equation of the line that passes through the points $(4, 13)$ and $(-15, 6)$.

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

5. Find the equation of the line that has a slope of 16 and passes through the point $(-5, 9)$.