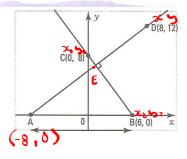
## **Analytical Geometry Problems**

- Consider the figure on the right. Calculate the distance between A and B.
- (1)  $\overline{CB}$ :  $a = \frac{6-8}{6-9} = -\frac{8}{6} = -\frac{4}{3}$





$$\frac{4}{3}\left(-6 = \frac{3}{4}x\right)$$

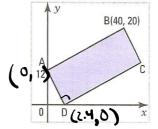
(3) 
$$A : O = \frac{3}{4}x + 6$$
 (4)  $A(A,B) = |-8-b| = 14$ 

Feb 27-10:53 AM

2. Consider the rectangle on the right. Find the area of this rectangle to the nearest square unit.

Rectangle: parallel sides (opposite)

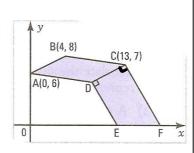
perpendicular adjacent sides



A=LW

A = 499 u2

3. Consider the parallelogram ABCD and the right trapezoid CDEF represented on the right. Determine the x-coordinate of point F.



Feb 28-1:06 PM