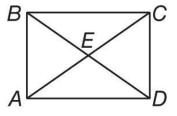
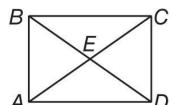
Assignment 6.4

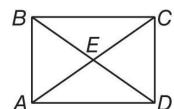
- 1. Quadrilateral ABCD is a rectangle.
- (a) If AE=36 and CE=2x-4, find x.



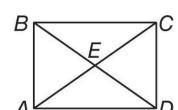
(b) If BC=24 and AD=5y-1, find y.



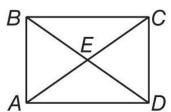
(c) If AC=2x+13 and DB=4x-1, find DB.



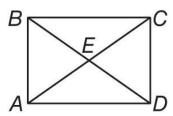
(d) If m < BDC = 7x + 1 and m < ADB = 9x - 7. Find x.



(e) If m < ABD = 7x - 31 and m < CDB = 4x + 5, find m < ABD.



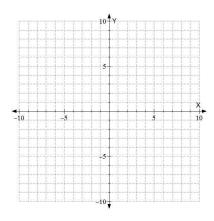
(f) If ED=10 and AC=5x-20, find x.



2. You are given a quadrilateral with any four points. Explain below how you would show whether a quadrilateral is a rectangle or not.

Using complete sentences is a must, otherwise you will receive no credit. If your English teacher wouldn't accept it, neither will I.

3. Graph the quadrilateral with the given vertices below and show whether it is a rectangle. P(-3,-2), Q(-4,2), R(2,4), S(3,0)



4. Graph the quadrilateral with the given vertices below and show whether it is a rectangle. J(-6,3), K(0,6), L(2,2), M(-4,-1)

