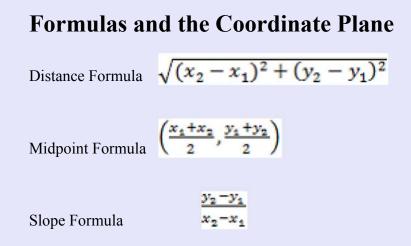
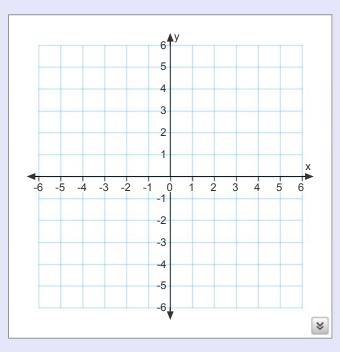
Section 6.7 and 6.8: Polygons and Coordinate Geometry

6.10

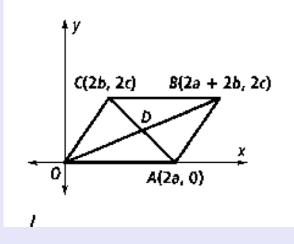


Ex. 1) Is the triangle *scalene, isosceles,* or *equilateral?* The vertices are A(0,1), B(4,4) and C(7,0).



6.11

Ex. 2) The diagram shows a general parallelogram with a vertex at the origin and one side along the x-axis. What are the coordinates of D, the point of intersection of the diagonals of parallelogram ABCO? How do you know?



Ex. 3)

What are the coordinates of the vertices of each figure? **a.** *RECT* is a rectangle with height *a* and length 2*b*. The *y*-axis bisects \overline{EC} and \overline{RT} . **b.** *KITE* is a kite where IE = 2a, KO = b, and OT = c. The *x*-axis bisects \overline{IE} . **c.** The *x*-axis bisects \overline{IE} .