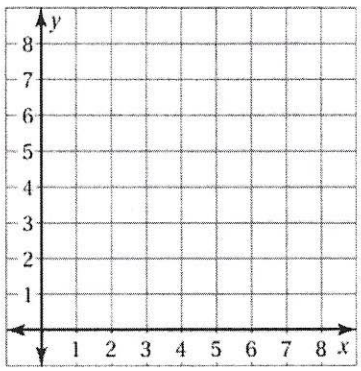
4.4 Polygons in Coordinate Planes

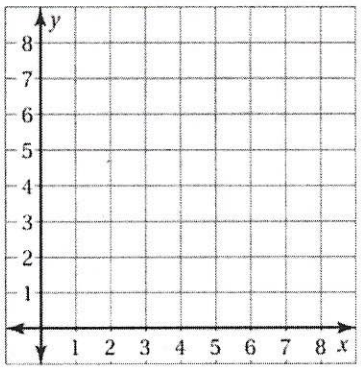
Name _____ Date _____

Find and label each pair of points in a coordinate plane. Find the length of the line segment connecting the points.

1. $F(1, 0), G(6, 0)$

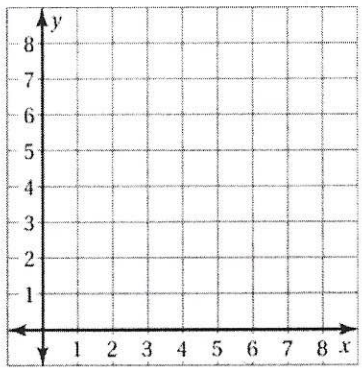


2. $J(3,1), K(3, 3)$

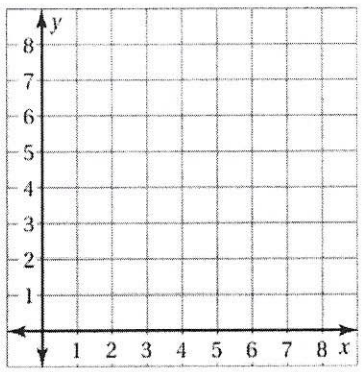


Draw the polygon with the given vertices in a coordinate plane.

3. $A(6,3), B(8,7), C(3,6)$

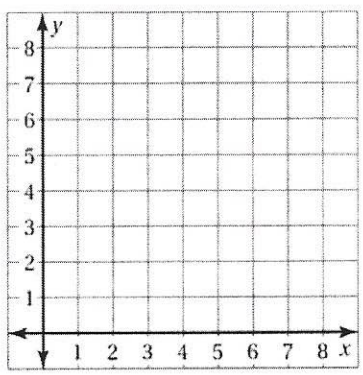


4. $G(4,1), H(8,1), I(4,3), J(8,3)$



Draw the polygon then find the <u>area</u> of the polygon with the given vertices.

5. $E(0, 0), F(7, 0), G(7, 2), H(0, 2)$



6. $P(1,0), Q(1,8), R(5,8)$