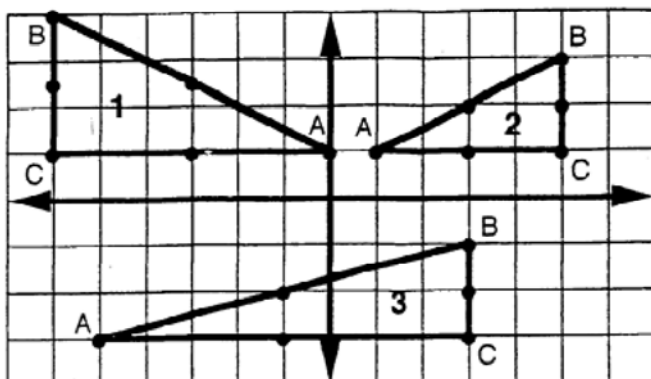


Midpoints

6. Make a right triangle on a piece of scratch paper and cut it out. Find the midpoints of the legs by paper folding. Where do the creases intersect? Check by finding the midpoint of the hypotenuse by folding.

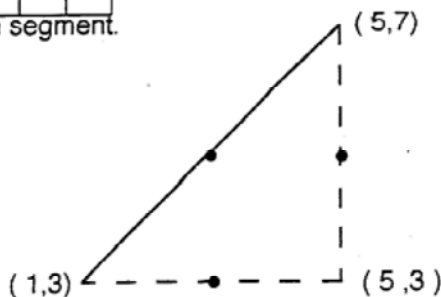
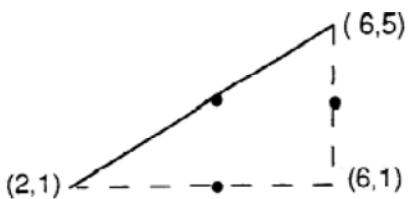
7. Write the coordinates of each point on each figure. Complete the chart



	Coordinates of midpoint of segment AC	Coordinates of midpoint of segment BC	Coordinates of midpoint of segment AB
1			
2			
3			

Look for a pattern for how to find the midpoint of segment AB given the midpoints of segment AC and BC.

8. Find the coordinates of the midpoints of each segment.



Explain how to find the coordinates of the midpoint of a segment given the two endpoints.

9. Find the midpoint of segment AB where:
 a) A is (2,0) and B is (6,14)
 b) A is (-3, 1) and B is (5, 3)
10. If a segment has midpoint (2,5) and one end point is (0,4), find the other end point.