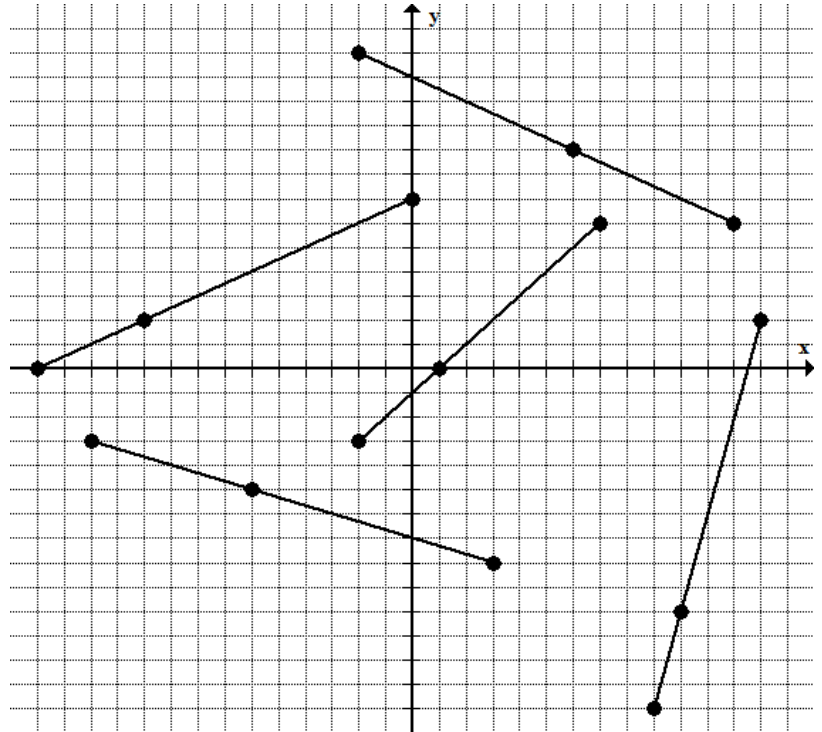


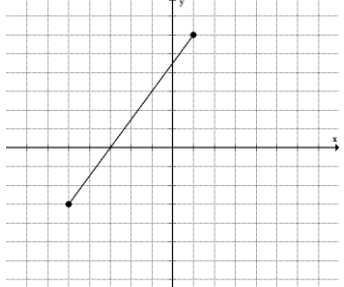
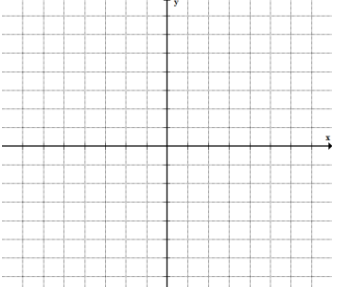
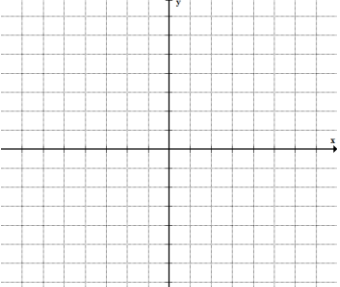
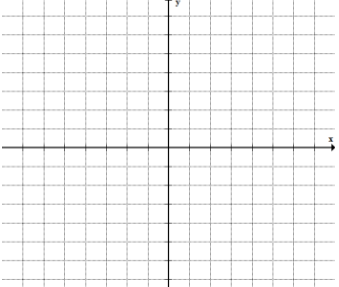
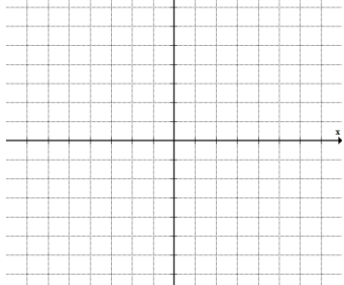
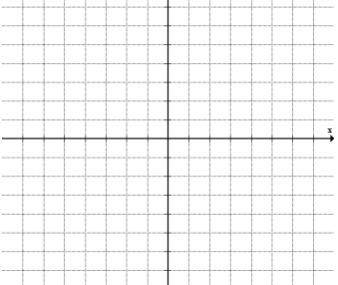
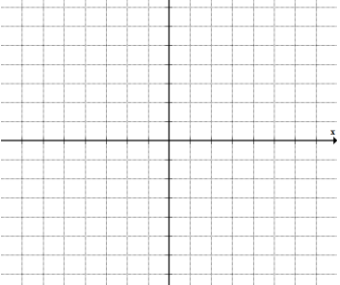
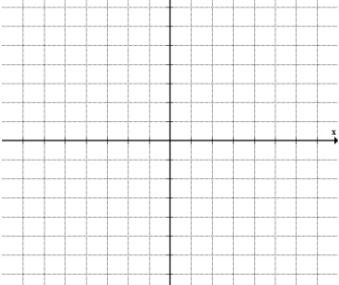
Example: Label point A (9, -14), point B (13, 2), and point C (10, -10)

Point C divides the directed line segment from A to B in a 1: 3 ratio.



1. Label point M(-14, 0), point N(0,7) and point P (-10, 2). P divides the directed line segment from M to N in a _____ ratio
2. Label point W(-2, -3), point X(7,6) and point Z (1, 0). Z divides the directed line segment from W to X in a _____ ratio
3. Label point J(3, -8), point K(-12, -3) and point L (-6, -5). L divides the directed line segment from J to K in a _____ ratio
4. Label point S(12, 6), point T(-2,13) and point V (6, 9). V divides the directed line segment from S to T in a _____ ratio

Plot the points A and B then find and plot the point that partitions the directed segment from A to B into the given ratio.

 <p>A (-5, -3) and B (1, 6) Plot point C to partition AB into a 1:2 ratio. Point C: (,)</p>	 <p>A (3, -2) and B (-5, 2) Plot point C to partition AB into a 1:3 ratio. Point C: (,)</p>	 <p>A (-6, 4) and B (4, -6) Plot point C to partition AB into a 2:3 ratio. Point C: (,)</p>	 <p>A (2, 4) and B (-5, -3) Plot point C to partition AB into a 3:4 ratio. Point C: (,)</p>
 <p>A (-7, -3) and B (3, 2) Plot point C to partition AB into a 1:4 ratio. Point C: (,)</p>	 <p>A (-5, 4) and B (7, -5) Plot point C to partition AB into a 2:1 ratio. Point C: (,)</p>	 <p>A (-6, -4) and B (-1, 6) Plot point C to partition AB into a 3:2 ratio. Point C: (,)</p>	 <p>A (7, -1) and B (-5, 7) Plot point C to partition AB into a 1:3 ratio. Point C: (,)</p>