Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Partitioning Worksheet

1. Given the points $A(-2,1)$ and $B(5, -6)$, find the coordinates of the points that partition AB in the ratio 5:2.
2. Find the coordinates of the points that partition AB in the ratio 3:1 if $A(-3,-2)$ and $B(5, 2)$.
3. Given the points $A(-3,-4)$ and $B(2,1)$, find the coordinates of the points that partition AB in the ratio 1 to 4.
4. Given the points $A(-2,5)$ and $B(3,0)$, find the coordinates of the points that partition AB in the ratio 3 to 2.
5. Find the coordinates of the points that partition AB in the ratio 1:2 if $A(5,0)$ and $B(-4,3)$.
6. Given the points $A(-2,1)$ and $B(7, -8)$, find the coordinates of the points that partition AB in the ratio 3:6.
7. Find the coordinates of the points that partition AB in the ratio 6:1 if $A(-2,1)$ and $B(5, -6)$.
8. Given the points $A(-5, 4)$ and $B(7, -4)$, find the coordinates of the points that partition AB in the ratio 1 to 3.

1. Find the coordinates of the points that partition AB in the ratio 3 to 4 if $A(-9, -9)$ and $B(5, -2)$.
2. Given the points $A(-8,-2)$ and $B(6,19)$, find the coordinates of the points that partition AB in the ratio 5:2.