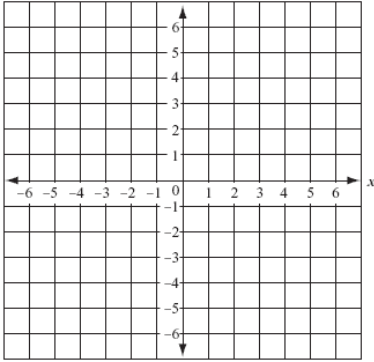
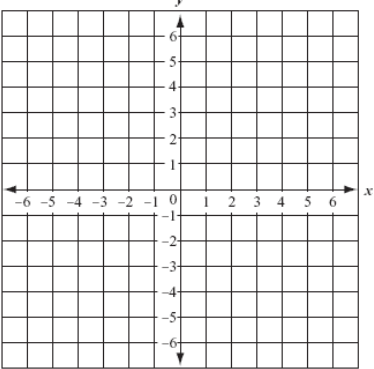


Section Formula  $(x, y) = \left( \frac{ax_2 + bx_1}{a+b}, \frac{ay_2 + by_1}{a+b} \right)$  Name \_\_\_\_\_ Block \_\_\_\_\_

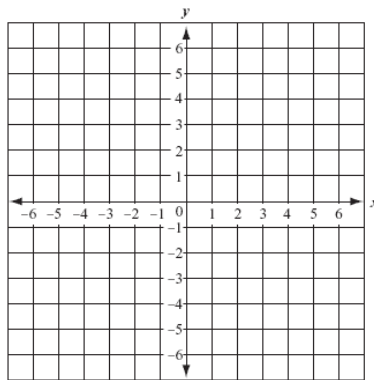
1. Line segment AB has endpoints  $(-2, 4)$  and  $(6, 0)$ . What coordinate divides A to B in the ratio of 5:3?



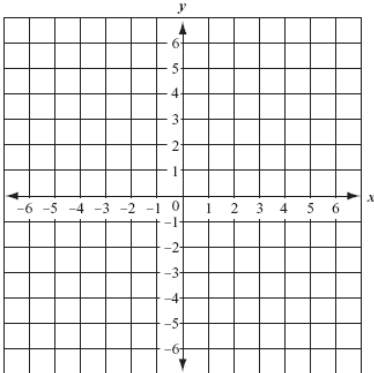
2. Line segment AB has endpoints  $(-6, 1)$  and  $(1, -6)$ . What coordinate divides B to A in the ratio of 4:3?



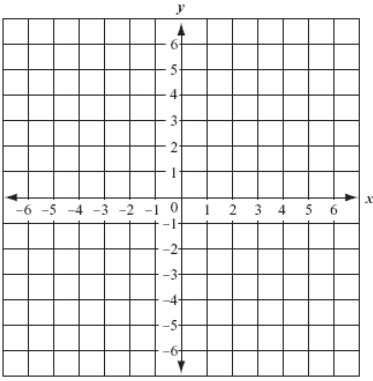
3. Line segment AB has endpoints  $(2, 6)$  and  $(-1, -3)$ . What coordinate divides A to B in the ratio of 1:2?



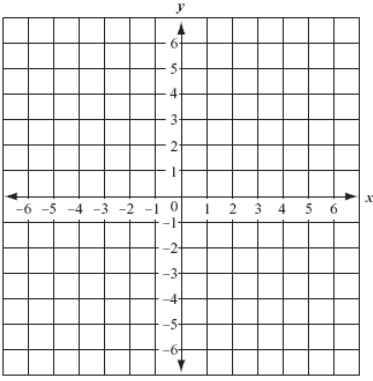
4. Line segment AB has endpoints  $(-5, 1)$  and  $(5, 5)$ . What coordinate divides B to A in the ratio of 2:2?



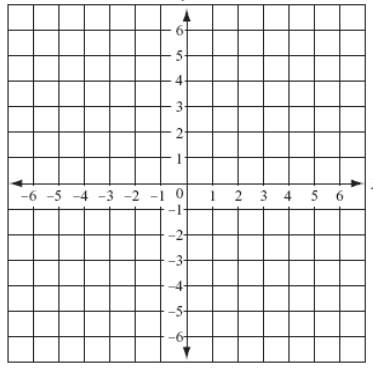
5. Line segment  $AB$  has endpoints  $(7, 2)$  and  $(4, 6)$ . What coordinate divides  $A$  to  $B$  in the ratio of  $2:3$ ?



6. Line segment  $AB$  has endpoints  $(-3, 8)$  and  $(3, -4)$ . What coordinate divides  $B$  to  $A$  in the ratio of  $4:2$ ?



7. In line segment  $AB$ , point  $A$  is  $(1, 6)$  and  $(0, 3)$  is a coordinate that divides  $A$  to  $B$  in the ratio  $1:2$ . What is point  $B$ ?



8. In line segment  $AB$ , point  $A$  is  $(-5, 4)$  and  $(-2, 3)$  is a coordinate that divides  $B$  to  $A$  in the ratio  $3:1$ . What is point  $B$ ?

