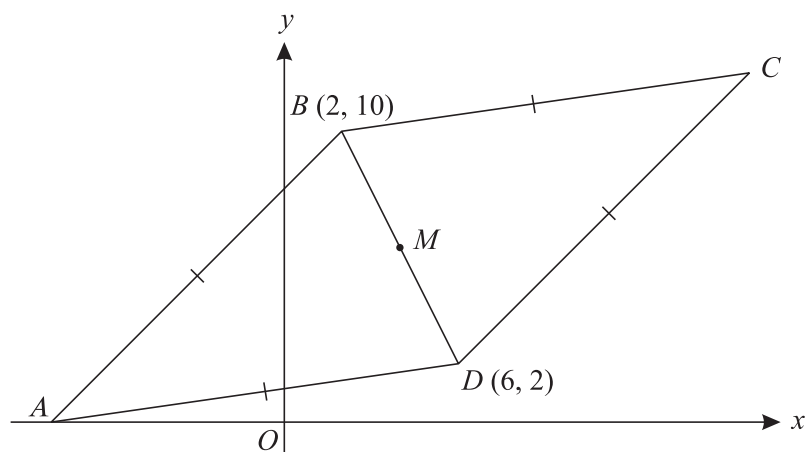


5



The diagram shows a rhombus  $ABCD$ . The points  $B$  and  $D$  have coordinates  $(2, 10)$  and  $(6, 2)$  respectively, and  $A$  lies on the  $x$ -axis. The mid-point of  $BD$  is  $M$ . Find, by calculation, the coordinates of each of  $M$ ,  $A$  and  $C$ . [6]