



The diagram shows part of the curve  $y = \frac{8}{x+2}$  and the line  $2y + x = 8$ , intersecting at points  $A$  and  $B$ . The point  $C$  lies on the curve and the tangent to the curve at  $C$  is parallel to  $AB$ .

- (a) Find, by calculation, the coordinates of  $A$ ,  $B$  and  $C$ .

[6]

[illegible]

