7 The curve  $y = \frac{10}{2x+1} - 2$  intersects the *x*-axis at *A*. The tangent to the curve at *A* intersects the *y*-axis at *C*.

(i) Show that the equation of 
$$AC$$
 is  $5y + 4x = 8$ . [5]

(ii) Find the distance 
$$AC$$
. [2]