- 6. In an Argand diagram, the points A, B and C are the vertices of an equilateral triangle with its centre at the origin. The point A represents the complex number 6 + 2i.
 - (a) Find the complex numbers represented by the points B and C, giving your answers in the form x + iy, where x and y are real and exact.

(6)

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The points D, E and F are the midpoints of the sides of triangle ABC.

(b) Find the exact area of triangle DEF.