COMPLEX NUMBERS – PRACTICE QUESTIONS

The complex number a + 5i, where a is positive, is denoted by z. Given that |z| = 13, find the value of a and

(ii) Given that $az + bz^* = 4 - 8i$, find the values of the real constants a and b.

[2]

[5]

[4]

Jan 13

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The complex number 2 - i is denoted by z.

(i) Find | z | and arg z.

hence find arg z.

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