

5 A programmer writes a computer program using a high-level language.

(a) Tick (✓) **one** box to show which statement is correct about writing computer programs in a high-level language.

A Mnemonics are used to create instructions.

B The computer program is harder to debug than a low-level language program.

C The computer program is machine independent.

D The hardware of the computer can be directly manipulated.

[1]

(b) The programmer uses a compiler to translate the computer program.

(i) Describe how the compiler translates the computer program.

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..... [3]

(ii) Describe how the compiler reports errors.

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..... [2]

(c) The programmer uses an integrated development environment (IDE) to create the computer program.

One function of the IDE is that it has the built-in compiler.

Give **three** other common functions of an IDE.

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2
3

[3]