**Expanding Brackets with Surds**

(a) Show that can be written in the form where and are integers.

(b) Show that can be written in the form where and are integers.

(c) Show that can be written in the form where and are integers.

(d) Show that can be written in the form where and are integers.

(e) Show that can be written in the form where and are integers.

(f) Given that

find the values of the integers and .

(g) Given that

find the values of the integers and .

(h) Given that

find the values of the integers and .

(i) Express

in the form where and are integers to be found.

(j) Given that

find the values of the integers and .

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