

**10 (a)** Insert one of  $<$ ,  $>$  or  $=$  to make each statement true.

(i)  $-5$  .....  $-7$  [1]

(ii)  $0.09$  .....  $0.8$  [1]

(iii)  $6^2$  .....  $12$  [1]

**(b)** Work out the value of  $5^2 \times 10^2$ .

**(b)** ..... [2]

**11** Show that  $4(a + 3) - 3(a - 2) = a + 18$ . [2]