**4** $x^5 \times x^7 = x^m$

(a) Find the value of $m$

$m =$ .....

**(1)**

$y^8 \div y^3 = y^n$

(b) Find the value of $n$

$n =$ .....

**(1)**

(c) Simplify fully $(5a^4r^2)^3$

.....

**(2)**

**(Total for Question 4 is 4 marks)**

**5** In a sale, normal prices are reduced by 28%
The sale price of a watch is 198 euros.

Work out the normal price of the watch.

..... euros

**(Total for Question 5 is 3 marks)**

DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA