1   Work out the value of $24 + 4 \times 3^2$

[1 mark]

Answer _____

2 (a)   Simplify $6 \times 2 \times d \times d \times e$

[1 mark]

Answer _____

2 (b)   Write as a single fraction in its simplest form $(5 \times g \times g \times g) \div (8 \times h \times h)$
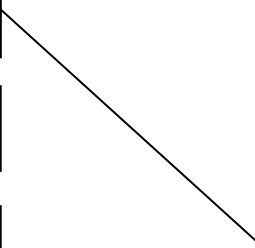
[2 marks]

Answer _____

3 Match each card on the left with a card on the right.

The first one is done for you.

[2 marks]

5 more than n	$n - 5$
Double n	$2n + 1$
5 less than n	$n + 5$
n squared	$2(n + 1)$
Double n then add 1	n^2
Add 1 then double the answer	$2n$

4 Andrew pays £p for his phone.

Liz pays 3 times as much as Andrew.

Laura pays £20 less than Liz.

Write an expression for the total they pay.

Simplify your answer.

[3 marks]

Answer £ _____

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2 of 3

5   Factorise fully each of the following expressions

5 (a) $20a + 16$

[1 mark]

Answer _____

5 (b) $30b - 45$

[1 mark]

Answer _____

5 (c) $16c^3 + 24c$

[2 marks]

Answer _____

5 (d) $18d^3e - 27d^5e$

[2 marks]

Answer _____

END OF QUESTIONS