

Name :

Teacher :

Official Homework - Algebra

Created by Mr Lafferty
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This homework covers topics

Score

Basic Number Operations

Substitution

33

Like terms

Factorising

Breaking Brackets

Context Question

Teacher Comments :

Pupil's Comment :

1. Carry out the following instructions. (NON - CALCULATOR QUESTION)

(a) $16 - 2.5 + 5.86$

Working :

(b) 48.6×7

Working :

(c) $2680 \div 400$

Working :

(d) $\frac{7}{8}$ of 1960

Working :

(5 marks)

2. Simplify the following expressions

(a) $2g \times 2g \times 3g$

(2 marks)

(b) $-6w - 5 - 4w - 8$

(2 marks)

3. Multiply out the brackets and simplify.

(c) $8(7y + 7)$

(2 marks)

(d) $-9(6g - 6) + 7g$

(2 marks)

(e) $8(4q - 2) + 7(5q - 1)$

(3 marks)

(f) $4x - 9(8x - 8) + 5(2x - 4)$

(3 marks)

4. For $q = -1$, $r = 4$, $s = -6$ and $t = 9$ Calculate :-

(a) $qr - st$

(3 marks)

(b) $q^2 + s^2 - rt$

(3 marks)

5. Factorise the following :-

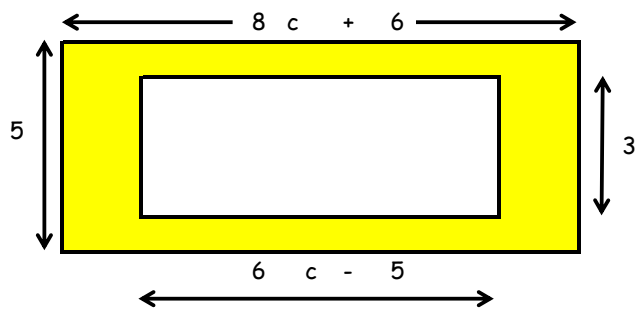
(a) $20y - 80$

(2 marks)

(b) $48g^2 - 48g$

(2 marks)

6. Find the area of the shaded in its simplest form.



(4 marks)

Total marks 33