

Name :

Teacher :

## Official Homework 7 Algebra

Created by Mr Lafferty  
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This homework covers topics

Score

Basic Number Operations

Breaking Brackets

45

Like terms

Basic Equations

Breaking Brackets

Harder Equations

Teacher Comments :

Pupil's Comment :

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

(a)  $14 - 2.2 + 3.49$

Working :

(b)  $43.6 \times 7$

Working :

(c)  $5320 \div 700$

Working :

(d)  $\frac{8}{9}$  of 72

Working :

( 5 marks )

2. Simplify the following expressions

(a)  $6w + 5 + 9w + 10$

Answer  ( 2 marks )

(b)  $-3y - 5 - 5y - 7$

Answer  ( 2 marks )

3. Multiply out the brackets

(a)  $9(3y + 3)$

( 2 marks )

(b)  $-7(9e - 4)$

( 2 marks )

4. Multiply out the brackets

(a)  $8(3p - 2) + 6(4p - 1)$

( 3 marks )

(b)  $2y - 6(3y - 6) + 3(7y - 2)$

( 3 marks )

5. Solve the equations

(a)  $y - 8 = -6$

( 2 marks )

(d)  $6a = -18$

( 2 marks )

(c)  $5 - 3w = -22$

( 3 marks )

(d)  $3c - 11 = -20$

( 3 marks )

6. Solve the equations

(a)  $8(x + 6) = 88$

( 4 marks )

(a)  $3(d - 8) + 5 = -13$

( 4 marks )

(c)  $5u + 10 = 4u + 18$

( 4 marks )

(b)  $-9 + 7(y - 13) = -79$

( 4 marks )

Total marks 45