Name: _____ **Date:** _____

Class Work – Concepts of algebra

Read the questions carefully, then solve in your notebooks before inputting an answer.

1.

(a) Simplify

(i) $3x + 2y + 5x - 4y$,

Answer: _____

(ii) $5a^2 \times 2a$

Answer: _____

(b) Evaluate

when $a = 3$, $b = 2$ and $c = -4$

(i) abc

Answer: _____

(ii) $\frac{4b}{c}$

Answer: _____

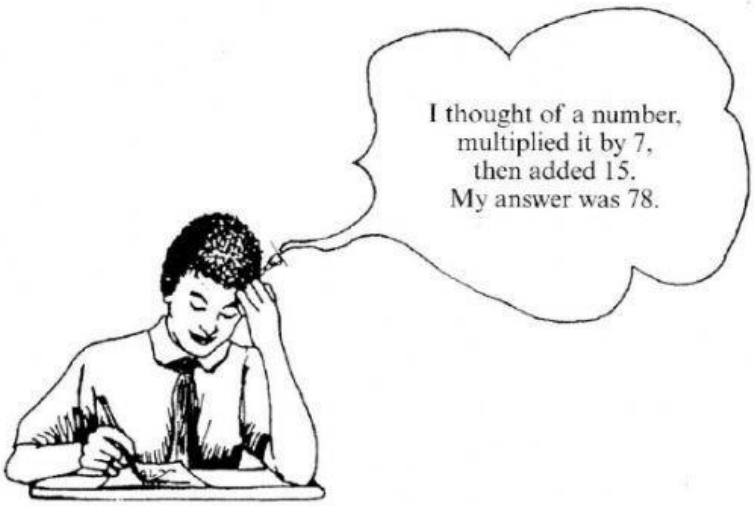
(c) Solve

$3(y + 2) = 21$

Answer: _____

LIVEWORKSHEETS

2. **Note:** There is **NO** space between the symbols and terms.



(a) Using x as the unknown number, write down an equation to represent Rodney's thought.

Answer:_____

(b) Solve the equation to find x.

Answer:_____

LIVEWORKSHEETS

3. **Note:** There is **NO** space between the symbols and terms.

Simplify

$$\frac{28a^2b}{4ab}$$

Answer: _____

Add together

$5x + 7$, $3x - 8$ and $6x - 25$.

Answer: _____

4.

Given that $\mathbf{y = mx + c}$, calculate the value of **"c"** when $\mathbf{y = 15}$, $\mathbf{m = 3}$, **and** $\mathbf{x = 4}$.

Answer _____

5.

LIVEWORKSHEETS

(a) Solve,

$5p = 65$.

Answer _____

(b) Simplify,

(i) $5m + 3n + n - 2m$,

Answer _____

(ii) $g^2 \times g^3$

Answer _____

LIVEWORKSHEETS

LIVEWORKSHEETS