Dear Parents / Students

Due to the unprecedented situation, Knowledgeplus Training center is mobilized and will keep accompanying and supporting our students through this difficult time. Our Staff will be continuously, sending notes and exercises on a weekly basis through what's app and email. Students are requested to copy the notes and do the exercises on their copybooks. The answers to the questions below will be made available on our website on knowledgeplus.mu/support/ict/week1.php by 27th March 2020. Please note that these are extra work and notes that we are providing our students and all classes will be replaced during the winter vacation. We thank you for your trust and are convinced that, together, we will overcome these troubled times.

Knowledgeplus Training Center

Mathematics

Garde 7

Week 2

Notes and Exercise

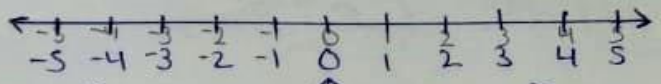
Note:(All the Notes, Examples and Exercise are on the photos

Note:(Please copy all the Notes, Examples and Exercises on your copy book).

Mathematics Grade 7 (Notes and exercise) Revision.

Representing integers on a number line.

(1)



Negative integers ← Neutral → Positive integers

Left hand side = − (Negative)

Right hand side = + (Positive)

(2) > = ~~grat~~ greater than

< = less than

~~Exercise~~ Example

Fill in each box with "<", or ">".

(a) $-3 \boxed{<} 7$ → Is -3 greater than 7. No, so the answer will be less than (<).

(b) $5 \boxed{>} -5$ → is 5 greater than 5. Yes, so the answer will be greater than (>).

(c) $-6 \boxed{<} -2$

↳ is -6 greater than -2. Yes, so the answer will be less than (<).

Note In right handside on a number line One is the smallest number whereas In left handside on a number line one is the largest number.

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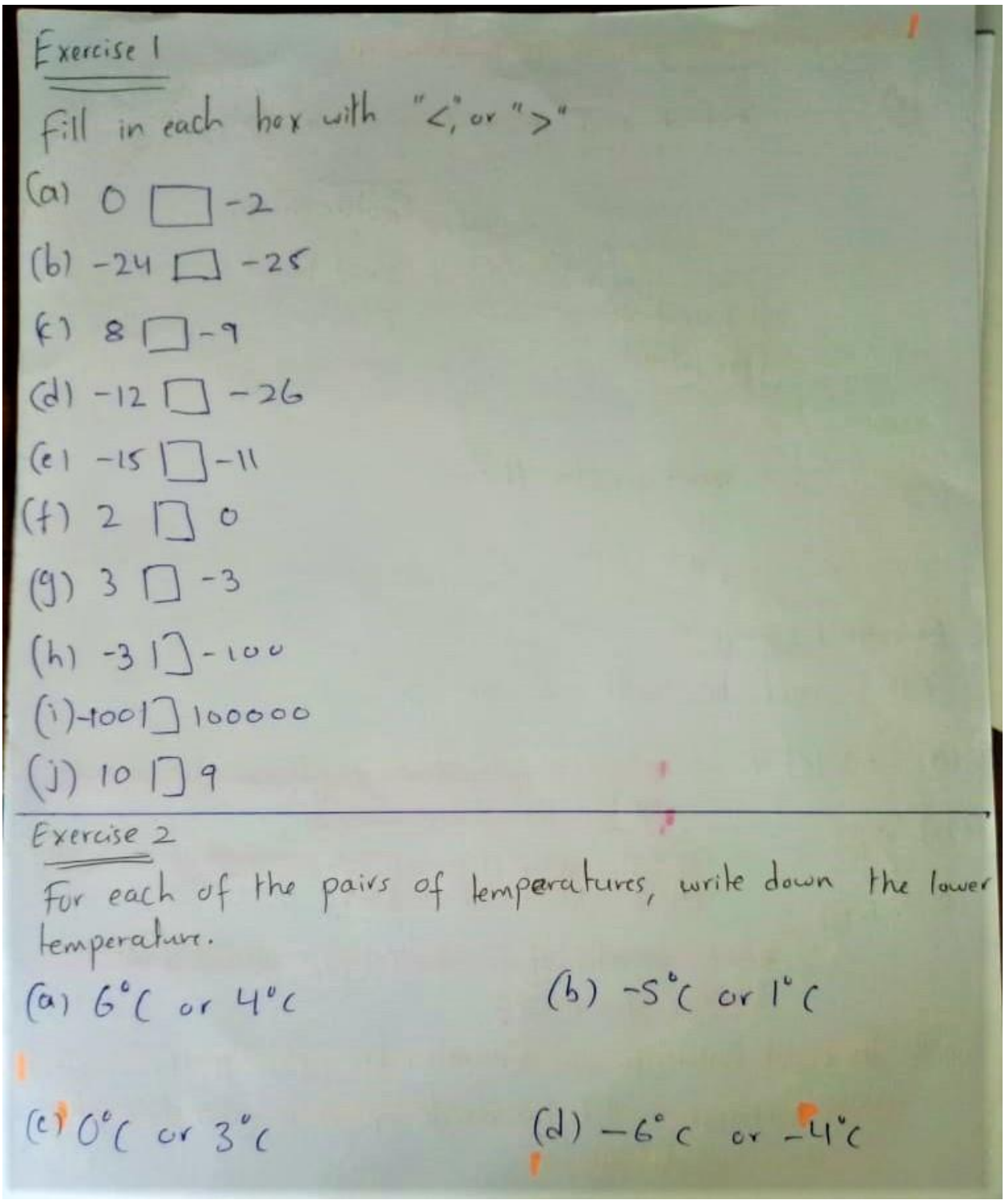

Exercise 1

Fill in each box with "<" or ">"

(a) 0 ☐ -2

(b) -24 ☐ -25

(c) 8 ☐ -9

(d) -12 ☐ -26

(e) -15 ☐ -11

(f) 2 ☐ 0

(g) 3 ☐ -3

(h) -3 ☐ -100

(i) -1001 ☐ 100000

(j) 10 ☐ 9

Exercise 2

For each of the pairs of temperatures, write down the lower temperature.

(a) 6°C or 4°C

(b) -5°C or 1°C

(c) 0°C or 3°C

(d) -6°C or -4°C

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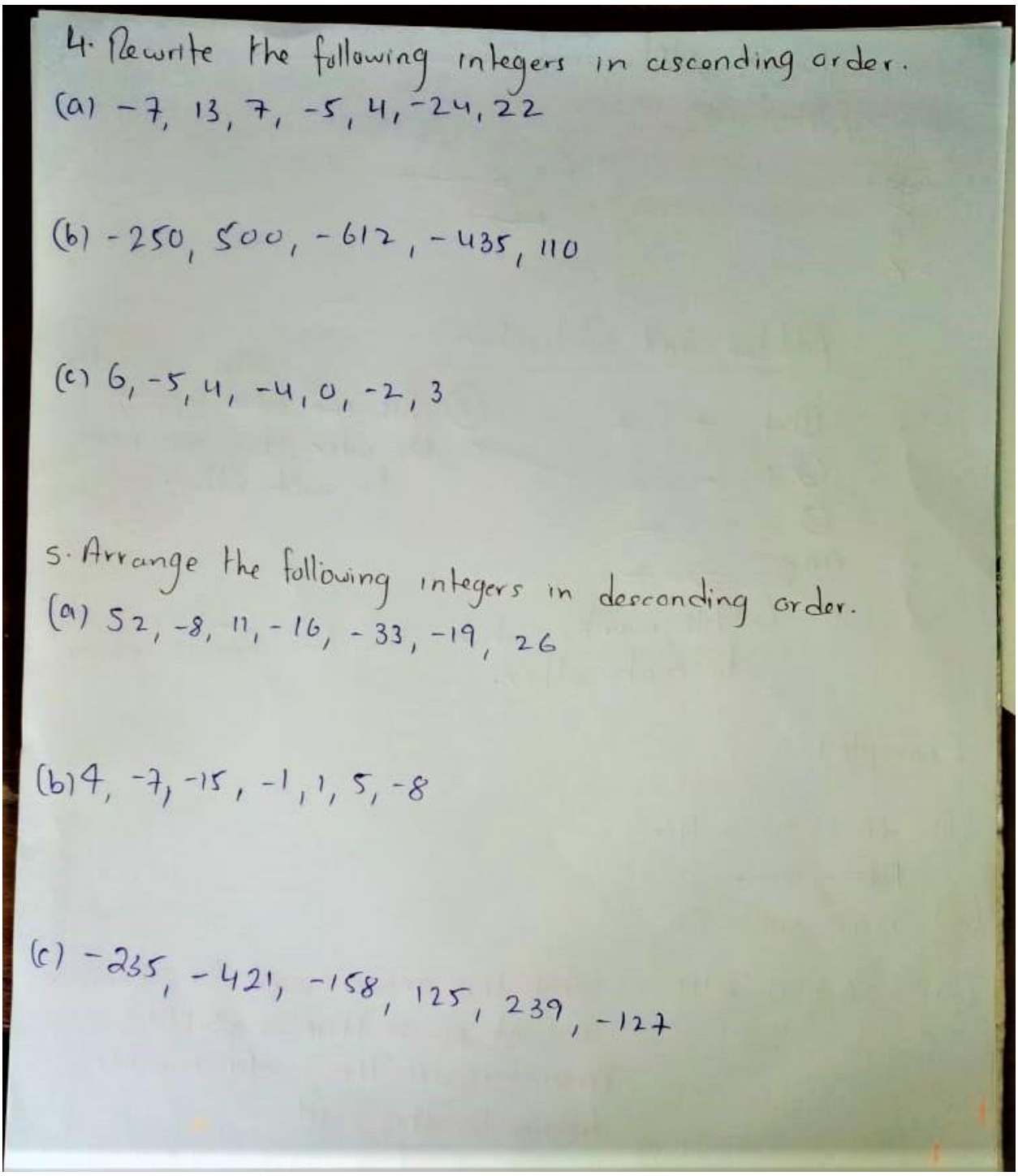

4. Rewrite the following integers in ascending order.

(a) $-7, 13, 7, -5, 4, -24, 22$

(b) $-250, 500, -612, -435, 110$

(c) $6, -5, 4, -4, 0, -2, 3$

5. Arrange the following integers in descending order.

(a) $52, -8, 11, -16, -33, -19, 26$

(b) $4, -7, -15, -1, 1, 5, -8$

(c) $-235, -421, -158, 125, 239, -127$

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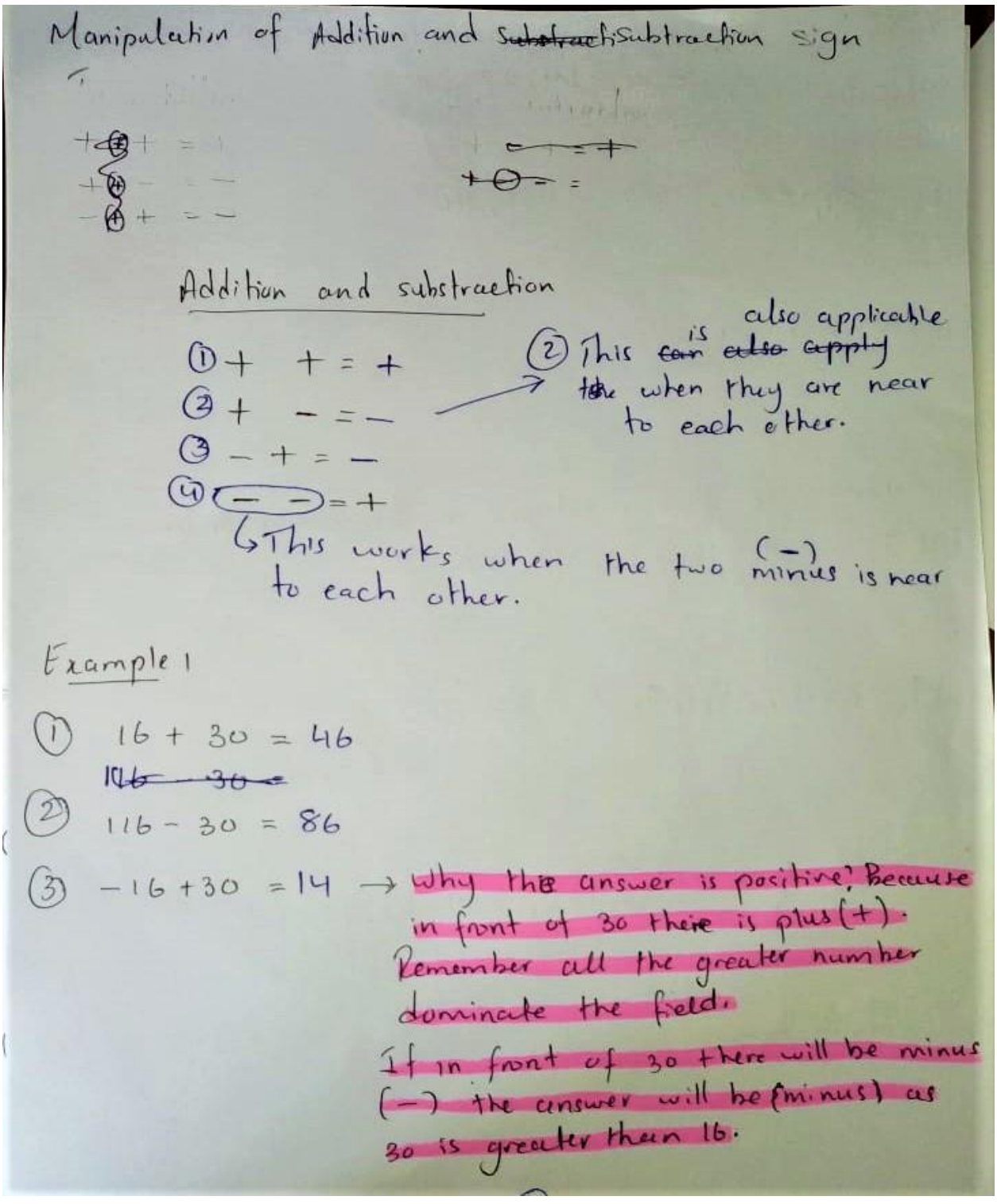

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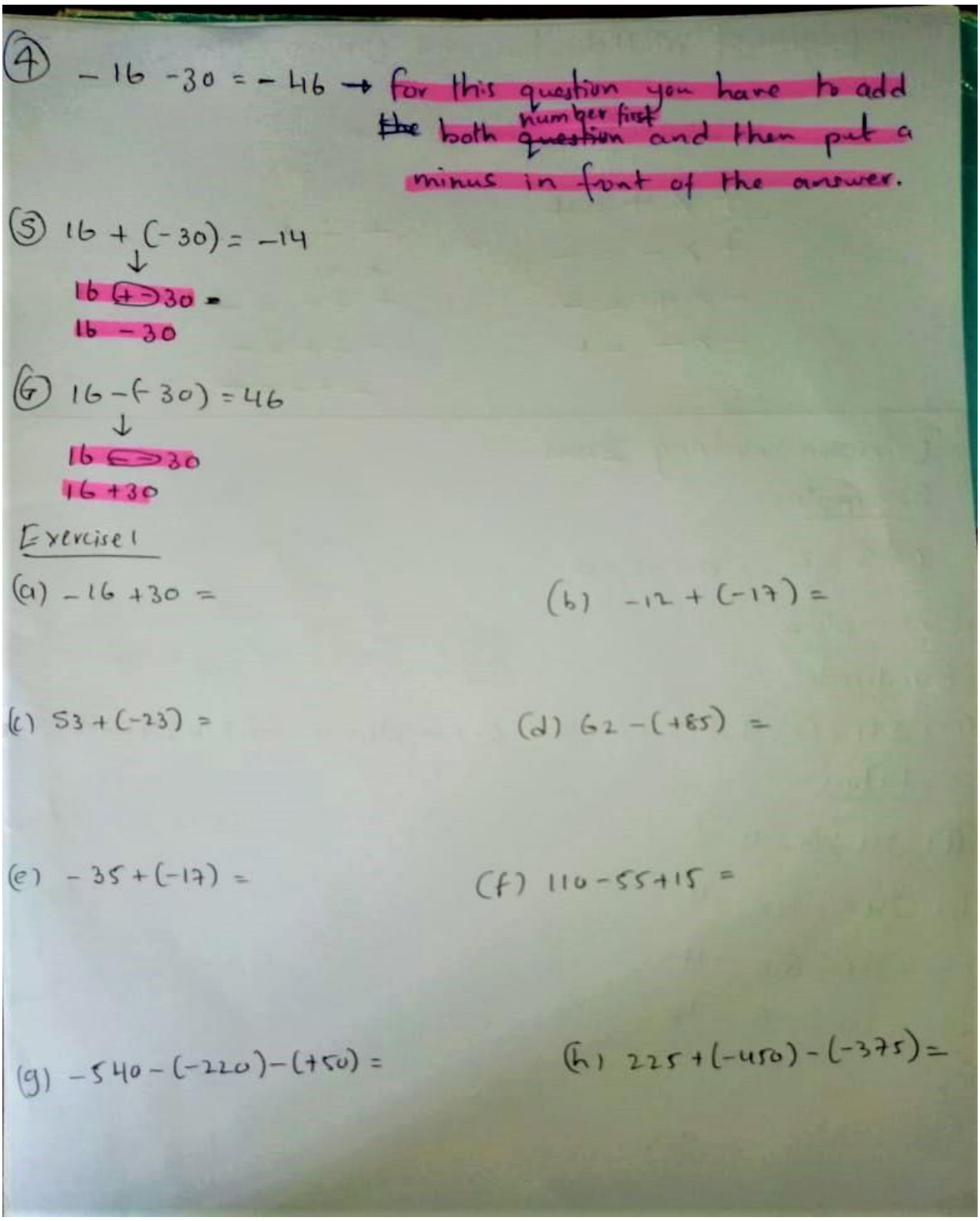

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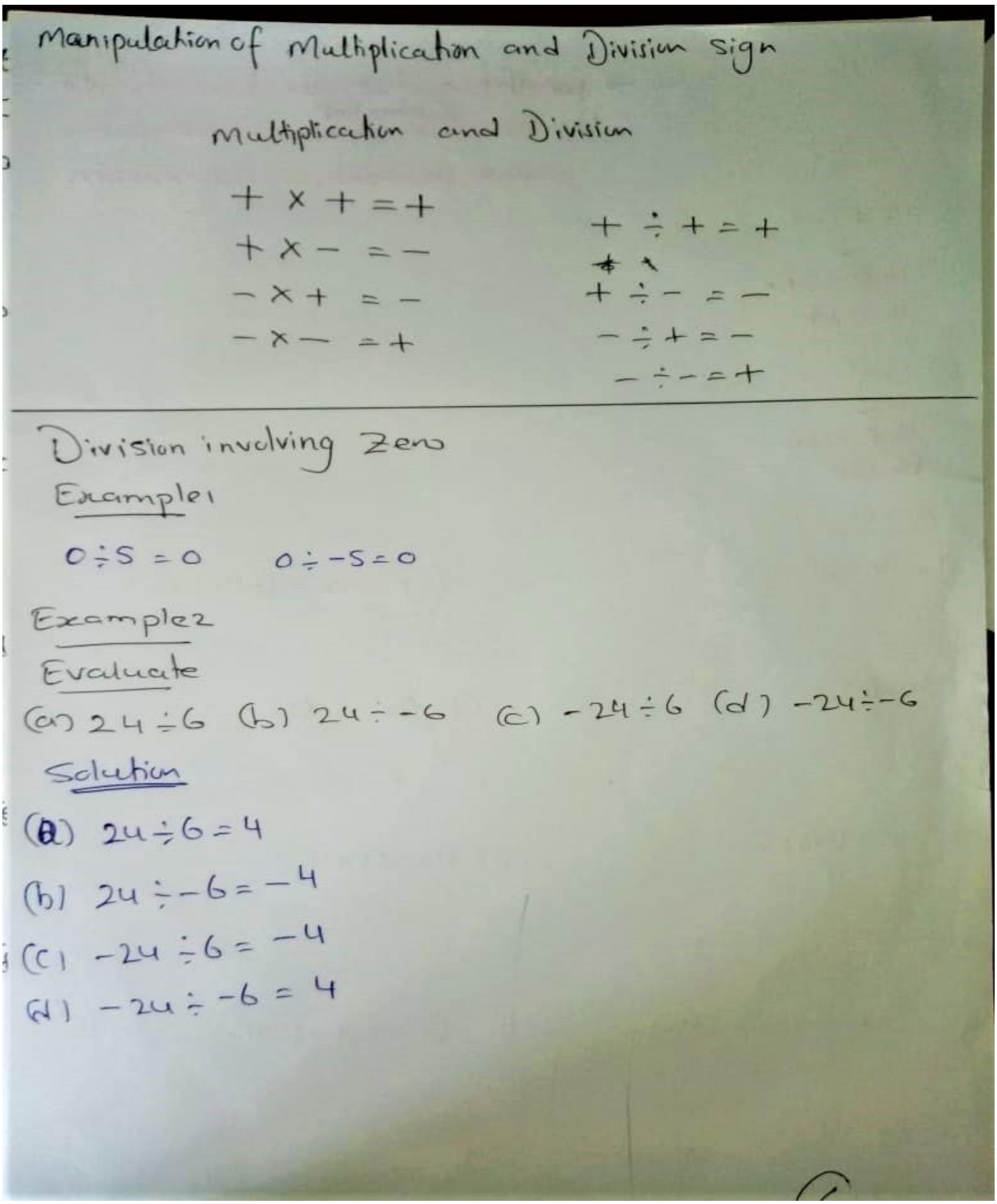

Manipulation of Multiplication and Division sign

Multiplication and Division

$+ \times + = +$
$+ \times - = -$
$- \times + = -$
$- \times - = +$

$+ \div + = +$
$+ \div - = -$
$- \div + = -$
$- \div - = +$

Division involving Zero

Example1

$0 \div 5 = 0$ $0 \div -5 = 0$

Example2

Evaluate

(a) $24 \div 6$ (b) $24 \div -6$ (c) $-24 \div 6$ (d) $-24 \div -6$

Solution

(a) $24 \div 6 = 4$

(b) $24 \div -6 = -4$

(c) $-24 \div 6 = -4$

(d) $-24 \div -6 = 4$

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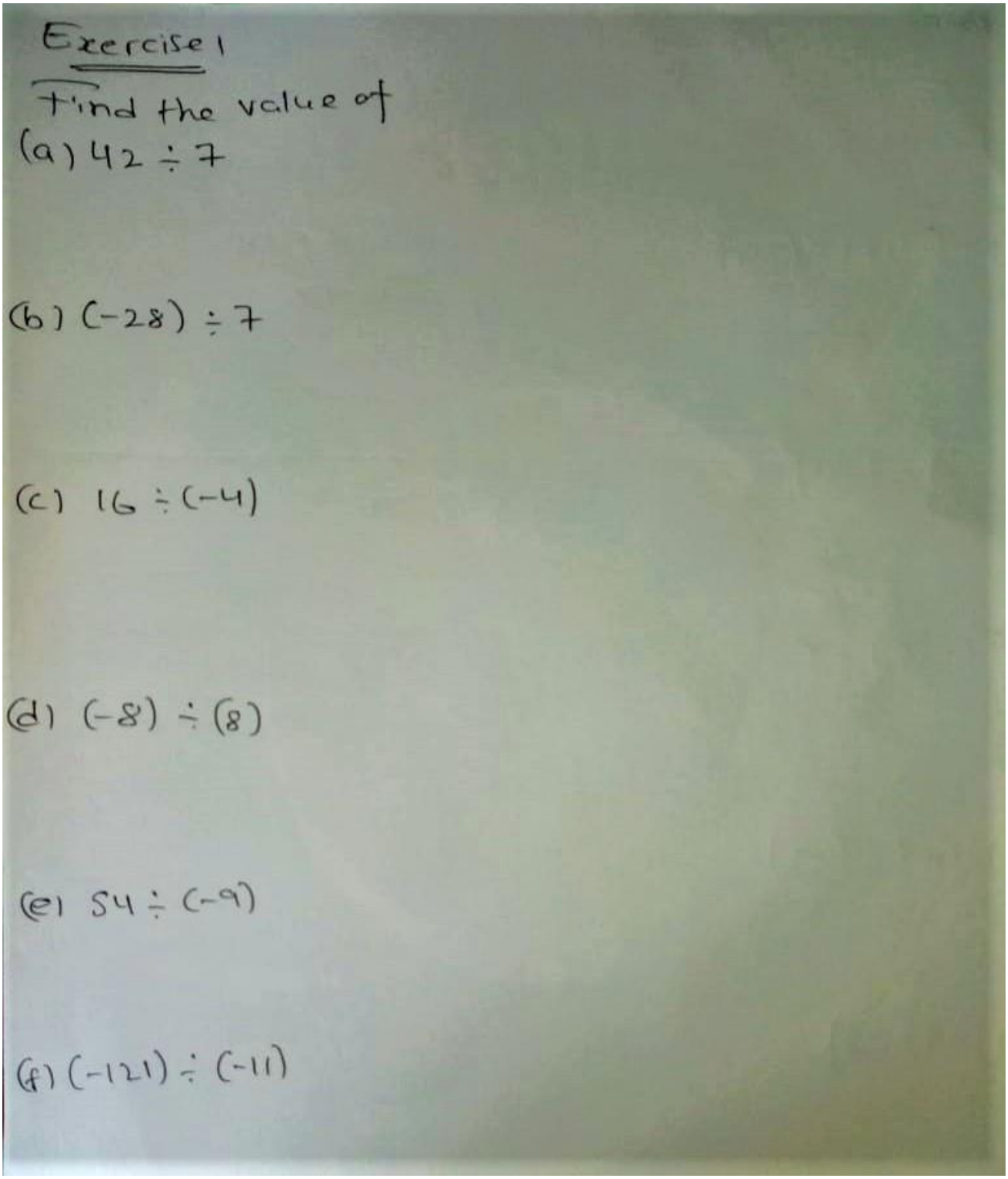

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