

Worksheet (1) | Lower Secondary Stage (6-8)

1st Semester | 2023-2024

Subject: Math

Class : Grade 7

Name:.....

Objectives:

- Construct and Solve linear equations .

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When solving equations it is important that
whatever is done to one side of the equation is done to the other side

Exercise 1: Solve the following equations :

a) $7 + 2x = 29$

b) $-15 = -\frac{x}{3}$

c) $\frac{x}{4} - 8 = 17$

d) $\frac{(x + 3)}{2} = -6$

$$e) 22 = -x + 30$$

$$f) \frac{3}{5}y + \frac{7}{5}y = 16$$

$$g) -7m - 9 = 12$$

$$h) 6x - 3 + 4x = 27$$

$$i) 5x + 13 = 3x - 17$$

$$j) 9 - 3x = 7 + x$$

$$k) 14 - x = 6 + x$$

$$l) 7x = 40 - 3x$$

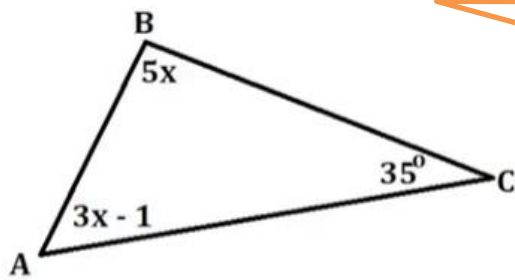
m) $9x + 6 - 3x = 6$

n) $x - 8 = 10 - 2x$

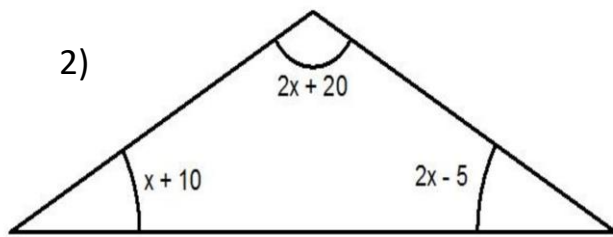
Exercise 2:

Write and solve the equations to find all of the angle measurements:

1)



The sum of the angles of a triangle is equal to 180°



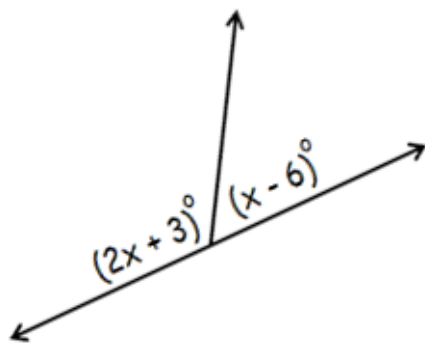
Exercise 3 :

write and solve an equation to find the value of x .

Sum of two supplementary angles = 180°

Sum of two complementary angles = 90°

1)



2)

