

Revision Worksheet-Term-1- Session 2019-20
Class- VII, Subject- Mathematics
Topic- Congruence of Triangle

NAME _____

DATE _____

Q 1. Tick the right answer:

(A) If two figures are congruent then they have

- (a) same shape (b) same size (c) same angle (d) same size and same shape

(B) Two triangles are not congruent by

- (a) SSS rule (b) SAS rule (c) AAA rule (d) ASA rule

(C) Two circles are congruent if they have

- (a) same centre (b) different radius (c) same radius (d) same centre but different radius

(D) If the area of two figures are same then the figures

- (a) unequal (b) always negative (c) equal (d) may be equal or unequal

Q 2. Fill in the blanks :

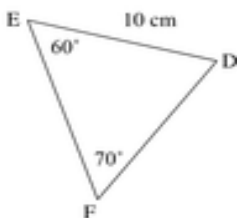
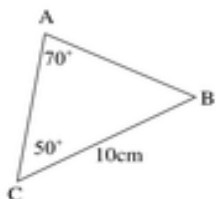
(a) When we write in a triangle, angle A = angle B, we actually mean _____ .

(b) Two squares are congruent if they have equal _____ .

(c) Congruent triangles have _____ area .

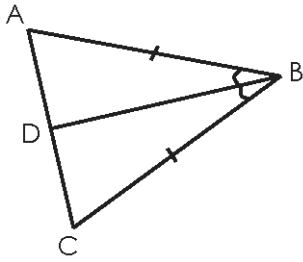
(d) In an equilateral triangle all angles are _____ to one another .

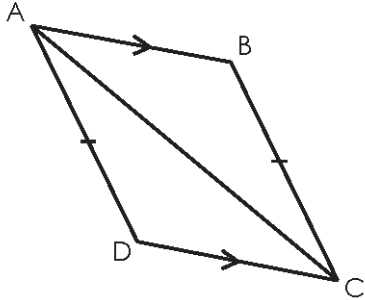
Q 3. Prove that the triangles ABC and DEF are congruent .



Q 4. Prove that triangle ABD is congruent to triangle where $AB=BC$ and $\angle ABD = \angle CBD$

Also write the corresponding equal sides and angles for both the triangles.





Q 5. In a right angled triangle ABC right angled at B , a median AD is drawn from vertex A to side BC. Then Show that triangle ABD is congruent to triangle ACD.

(draw figure here)

Revision Worksheet-Term-1- Session 2019-20
Class- VII, Subject- Mathematics
Topic- Triangle and its properties

NAME _____

DATE _____

Q 1. Tick the correct answer:

(A) The number of medians in a triangle are

- (a) two (b) three (c) four (d) one

(B) A triangle can have two

- (a) acute angle (b) right angle (c) straight angle (d) obtuse angle

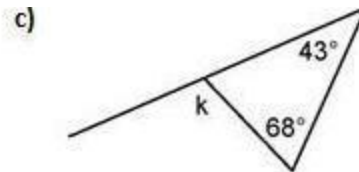
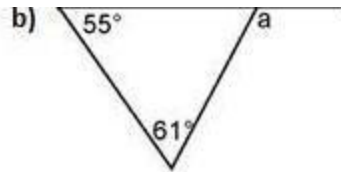
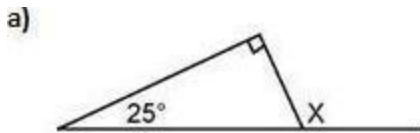
(C) The sum of all angles in a triangle is

- (a) 360 (b) 180 (c) 270 (d) 90

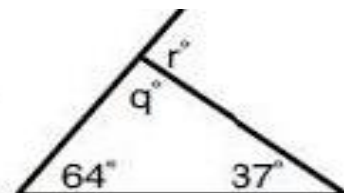
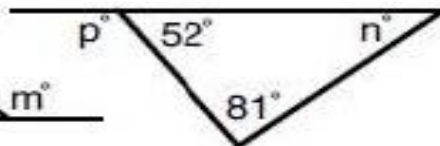
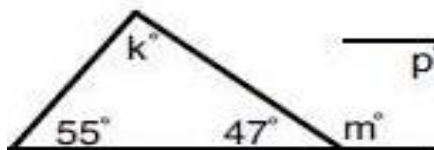
(D) A triangle can be constructed with sides are

- (a) 2,4,8 (b) 4,4,8 (c) 3,6, 9 (d) 7,8,9

Q 2. Find the value of the unknown exterior angle x in the following diagrams:

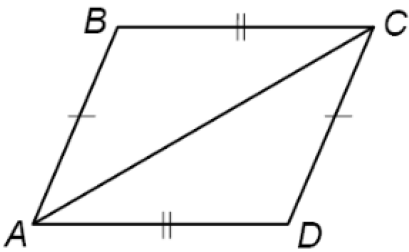


Q 3. Find the value of the unknown angles in the following figures:



Q 4. PQR is a triangle right angled at P. If PQ = 10 cm and PR = 24 cm, find QR.

Q 5. Explain, why ΔABC is congruent to ΔCDA ?



Revision Worksheet-Term-1- Session 2019-20
Class- VII, Subject- Mathematics
Topic- Integers

NAME _____

DATE _____

Q 1. Write a pair of integers whose sum is zero (0) but difference is 10.

Q 2. You are at an elevation 380 m above sea level as you start a motor ride. During the ride, your elevation changes by the following metres: 540 m, -268 m, 116 m, -152 m, 490 m, -844 m, 94 m. What is your elevation relative to the sea level at the end of the ride?

Q 3. The given table shows the freezing points in $^{\circ}\text{F}$ of different gases at sea level. Convert each of these into $^{\circ}\text{C}$ to the nearest integral value using the relation and complete the table,

$$C = \frac{5}{9} (F - 32)$$

Gas	Freezing Point at Sea Level ($^{\circ}\text{F}$)	Freezing Point at Sea Level ($^{\circ}\text{C}$)
Hydrogen	-435	
Krypton	-251	
Oxygen	-369	
Helium	-458	
Argon	-309	

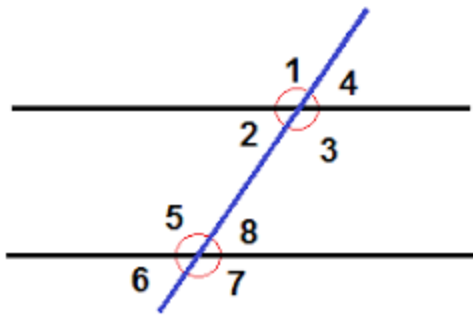
Revision Worksheet-Term-1- Session 2019-20
Class- VII, Subject- Mathematics
Topic- Lines and Angels

NAME _____

DATE _____

Q 1. Find the pair of angles in the given figure. (write only one pair)

- (a) Alternate angles _____
- (b) Corresponding angles _____
- (c) Vertical opposite angles _____
- (d) Linear pair _____
- (e) Co - interior angles _____
- (f) Alternate interior angles _____
- (g) Alternate exterior angles _____



Q 2. Fill in the blanks:

- (a) The supplement of a right angle is always _____ .
- (b) An angle which is half of its supplement is of _____ degree .
- (c) Corresponding angles are on the _____ side of the transversal .
- (d) If the sum of measure of two angles is 180 degree , then they are _____ .

Q 3. Find the angle which is equal is equal to its complement.

Q 4. Define complementary angle giving an example.

Revision Worksheet-Term-1- Session 2019-20
Class- VII, Subject- Mathematics
Topic- Simple equations

NAME _____

DATE _____

Q 1. Fill in the blanks:

- (i) If $x-5=10$, then $x=$ _____.
- (ii) The solution of the equation $m/11=-8$ is _____.
- (iii) If x is the solution of the equation $4x=12$, then the value of $3x-9=$ _____.

Q 2. Tick the right answer:

(A) Which of the following is not a linear equation in x .

- (a) $x^2 = 3x + 5$ (b) $7x = 5$ (c) $x = 2x + 5$ (d) $x - 1 = 0$

(B) The solution of $3x/4 = 9$ is

- (a) 36 (b) 12 (c) 6 (d) 1

(C) The sum of two consecutive numbers is 29, then one of them is

- (a) 14 (b) 28 (c) 20 (d) 25

Q 2. State True and False:

- (i) If $4x - 9 = 11 + 2x$, then $x = 1$.
- (ii) $x - 6 = -6$ has a solution in natural numbers.
- (iii) $p = 3$ is a solution of the equation $4p - 3 = 13$.

Q 3. If the sum of two consecutive numbers is -27. Find the numbers.

Q 4. Solve the equation $2(x + 3) - 3x = 8 - 2(2x - 5)$.

Q 5. Find the value of X in $16(3x - 5) - 10(4x - 8) = 40$

Q 6. Solve for X and check the result in equation $3x + 5 = 13 - x$

Q 7. Five times the price of a pen is Rs 17 more than the three times of its price. Find the price of the pen.
