

Name:

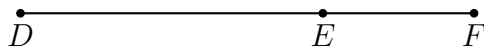
1-1 Classwork: Segment Addition, Vocabulary

1. Given \overline{ABC} , $AB = 2$, and $AC = 12$. Find BC .



2. Given \overline{DEF} , $DE = 3\frac{1}{3}$, and $EF = 1$.

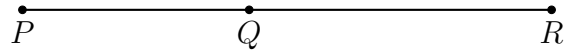
(a) Find DF .



(b) The postulate used in this problem is the _____.

3. Given \overline{PQR} , $PQ = x - 2$, $QR = x$, $PR = 10$. Find PQ .

(a) Label the diagram with the given values.



(b) Write an equation:

(c) Solve for x

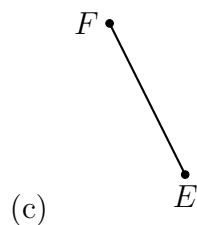
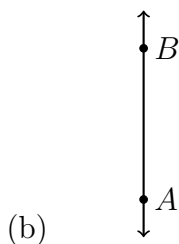
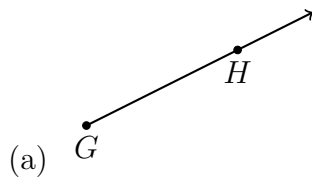
(d) Answer the question.

Find PQ by substituting for x .

(e) Check your answer

4. Points that are all located on the same line are _____.

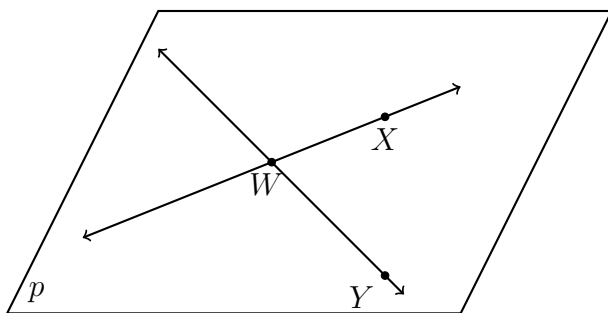
5. Use symbols to write the name of each geometric figure.



6. A flat surface is a(n) _____.

7. Two line segments or angles of equal measure are _____.

8. Identify two rays in the given plane.



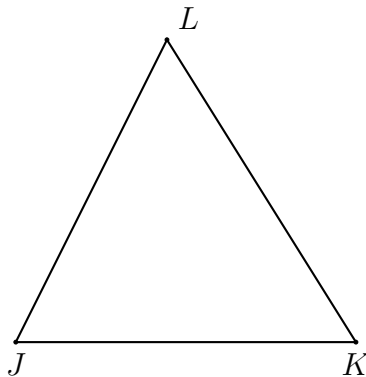
9. Use symbols to write the name of the given figure.



10. A(n) _____ is a portion of a line that includes two points and all of the collinear points between the two points.

Name:

11. Given $\triangle JKL$ with $\overline{JK} \cong \overline{KL}$. On the diagram mark the congruent line segments with tick marks.



12. Draw and label a line segment \overline{AB} such that the distance between points A and B is 6 cm.

13. Given the rectangle $ABCD$ shown below.

- (a) Measure and mark the length and width of the rectangle in centimeters.
(b) Calculate the area of the rectangle in square centimeters. (show your work)

