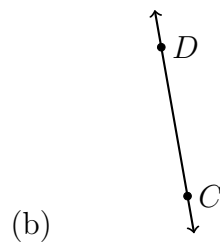
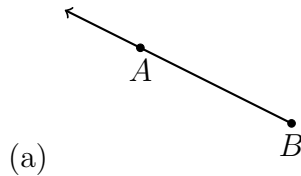


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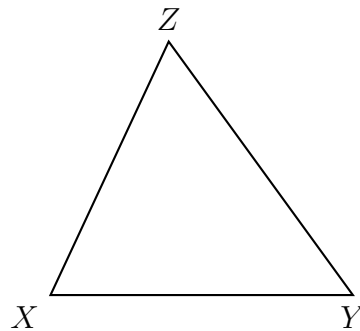
1.7 Exit Note Quiz: Length and perimeter, geometric notation

1. Conventions: terminology, notation, diagramming

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



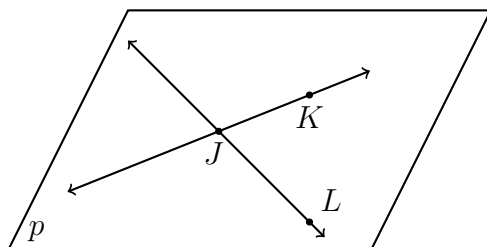
2. Objects in the same plane are _____.
3. Given isosceles $\triangle XYZ$ with $\overline{XY} \cong \overline{YZ}$. On the diagram mark the congruent line segments with tick marks.



4. Mark point L on the ray exactly 8 centimeters from the endpoint K . (measure it)



5. Identify two lines in the given plane.



2. Perimeter and special shapes

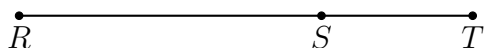
6. The perimeter of a rectangle is 54 centimeters. If its length is 6 cm., what is its width?

Name:

3. Modeling situations with algebra

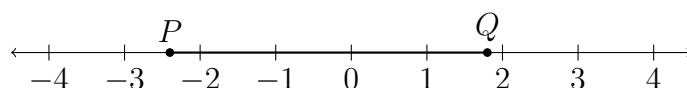
7. Given \overline{RST} , $RS = 5\frac{3}{4}$, and $RT = 8\frac{3}{8}$.

(a) Find ST as a fraction.



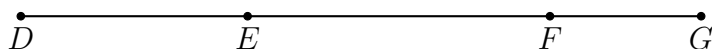
(b) The postulate used in this problem is the _____.

8. Given $P(-2.4)$ and $Q(1.8)$, as shown on the number line. Find the length of the line segment \overline{PQ} .



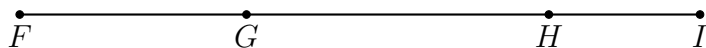
9. Given \overline{DEFG} , $DE = 3\frac{1}{4}$, $EF = 6\frac{1}{4}$, and $FG = 1\frac{3}{4}$. (diagram not to scale)

Find DG , expressed as a fraction, not a decimal.



10. Given \overline{FGHI} , $FG = 8\frac{1}{6}$, $GH = 12\frac{1}{3}$, and $HI = 5\frac{1}{2}$. (diagram not to scale)

Find FI .



11. Given \overleftrightarrow{JK} as shown on the number line.



What is the midpoint between the points J and K ?

4. Solving algebraic equations for one variable

12. Given \overline{RST} , S bisects \overline{RT} , $RS = 17x - 10$, $ST = 13x - 2$. Find RT .
Complete all the steps for full credit.