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Practice
- : Problems :-

① Two sides of a triangle are of length 12.5 cm and 7.8 cm. Find the probable range of the length of third side.

② The diagonals of a rhombus are 24 cm and 70 cm, find the perimeter of the rhombus.

③ Find the value of the following algebraic expression for $x = (-2)$, $y = 3$, $z = (+2)$.

$$13x^2y - 22yz - 17xy^2z + 9xyz$$

④ Find the co-efficient of y^2 from the following algebraic expression:

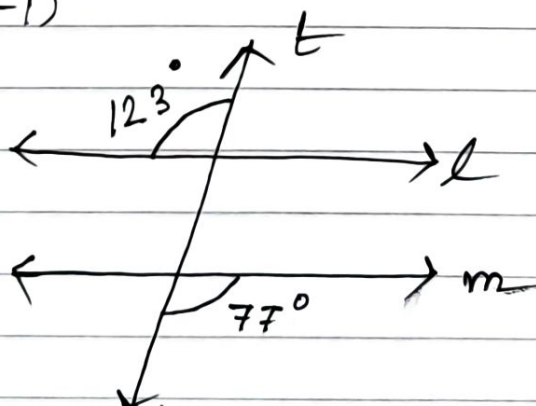
$$-17xyz + 13y^2xz - 14$$

⑤ If the mean of $(x-1)$, $(3x-2)$, $(4x-5)$ and $(x+17)$ is 36, find the value of x .

⑥ Simplify: $(1\frac{4}{7} + 2\frac{3}{14}) \div (2\frac{1}{14} - 1\frac{5}{28})$

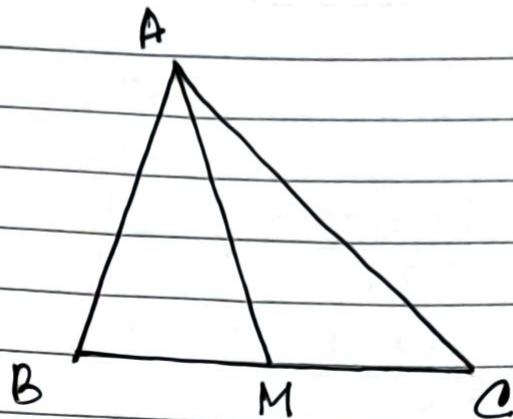
⑦ Find five rational numbers between (-4) and (-1)

⑧



Check whether l and m are parallel or not.

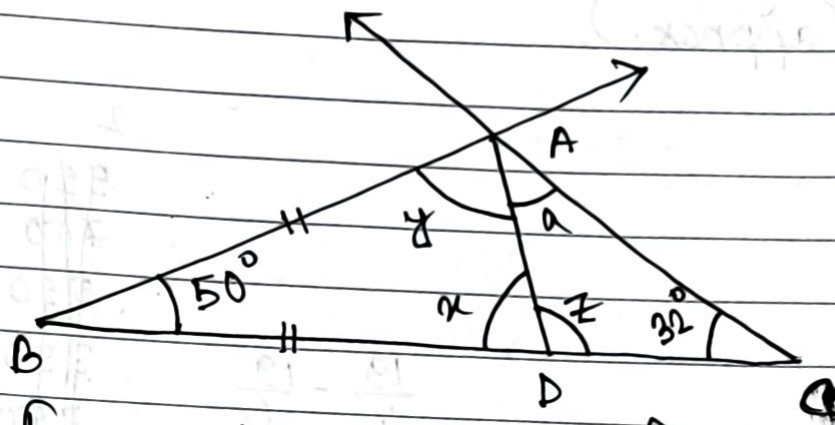
9



In $\triangle ABC$, AM is a median. Prove that,

$$AB + BC + CA > 2AM$$

10



From the above figure,

in $\triangle ABD$, $\overline{AB} = \overline{BD}$, $\angle ABD = 50^\circ$,
 $\angle ACD = 32^\circ$

Find the value of ' x ', ' y ', ' z ' and ' a '.