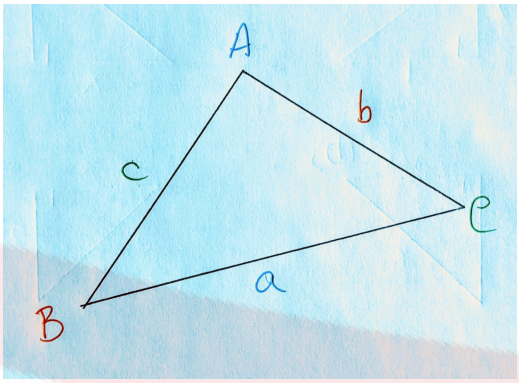
Sine Law

RaiseMyMarks.com

2020

Sine Law



The **Sine Law** is given by,

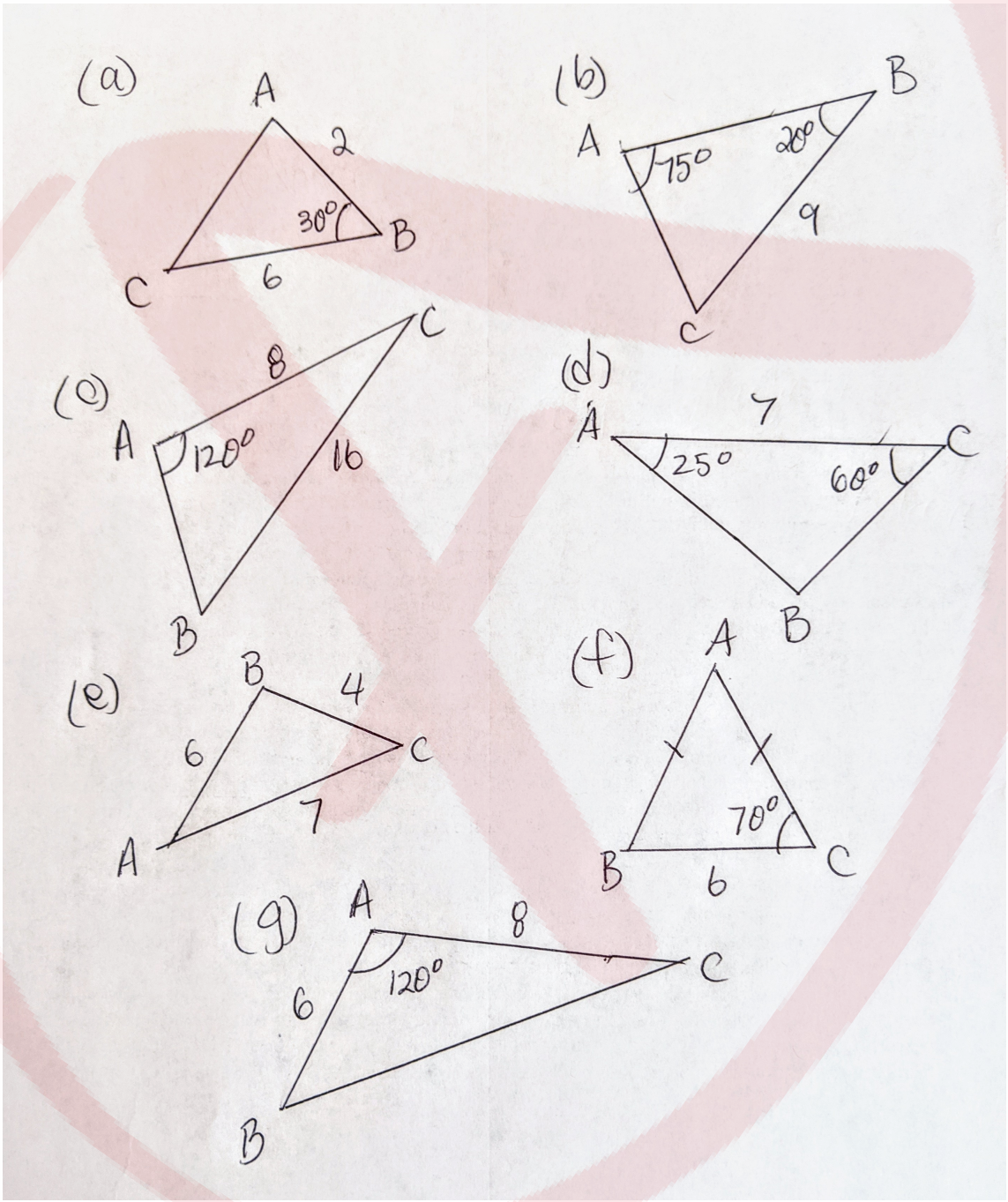
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

So far we have only been able to find the sine, cosine and tangent for angles in a right angled triangle. However, not all triangles are right angle. Other relationships or trigonometric laws are available to deal with these situations. The first is the **Sine Law**. The sine law is useful when,

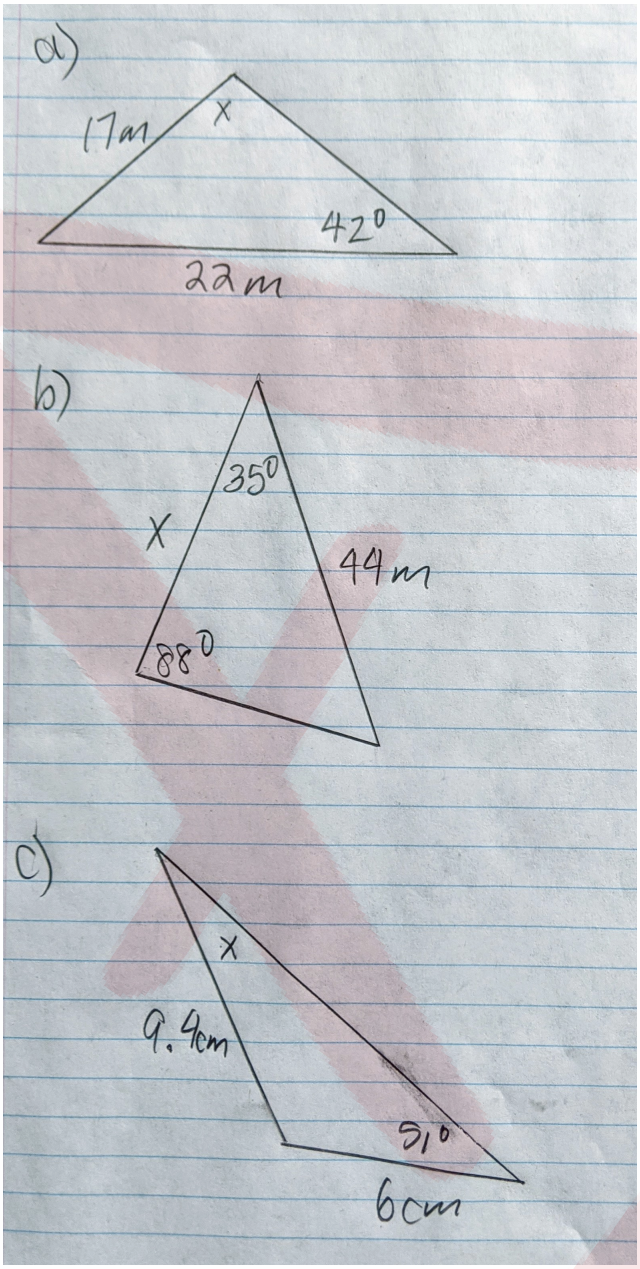
1. Two angles and a side length of a triangle are given.
2. Two side lengths and an angle are given.
3. All angles are given.

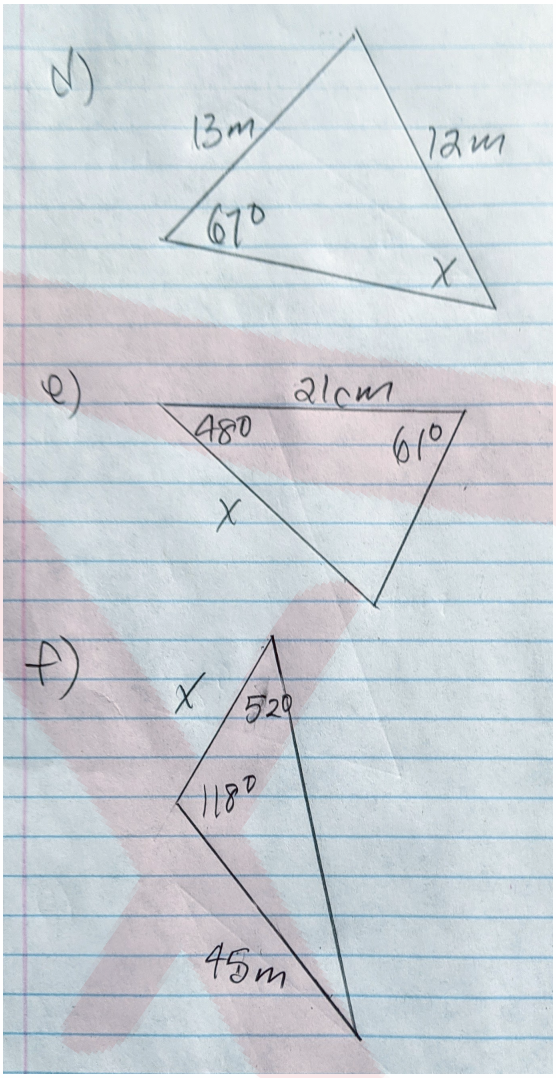
Exercises

Solve the following triangles.



Solve the follwing triangles for x.




d)
13m
12m
67°
X
e)
21cm
48°
61°
X
f)
X
52°
118°
45m