Unit 8: Trig in Triangles (Trig Dessert)

There are three important equations to know

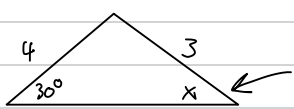
Law of Sine $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$

Law of cosine $c^2 = a^2 + b^2 - 2ab\cos C$

Area of triangle $A = \frac{1}{2}ab\sin C$

When there are triangles of SSA, some triangles may have multiple angles for the unknown angle
This is the "Ambiguous Case"

Ex:



x can have multiple values

(not drawn to scale)