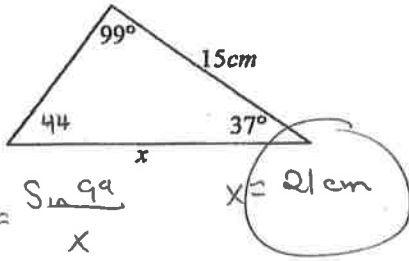


SINE LAW WORKSHEET - Practice

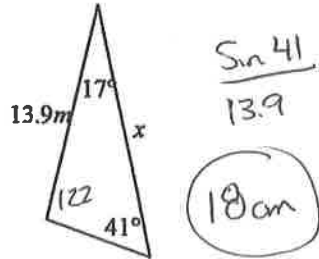
Show your work on loose-leaf. Round your final answers to the nearest tenth. Presentation is important ☺

1. Solve for the missing side in each triangle.

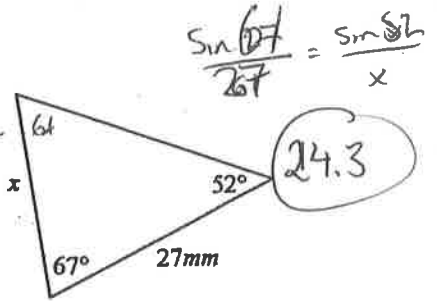
a)



b)

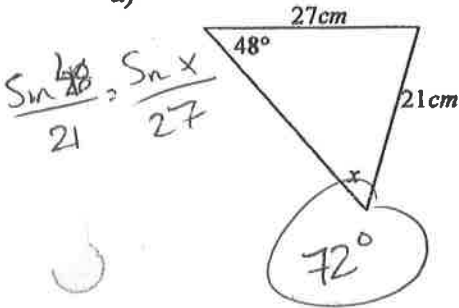


c)

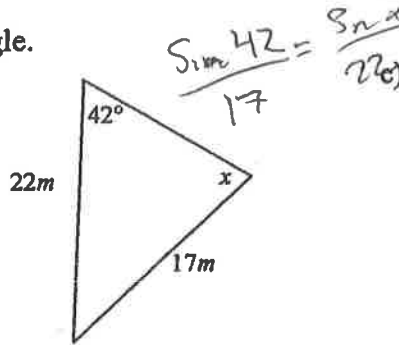


2. Solve for the missing angle in each triangle.

a)

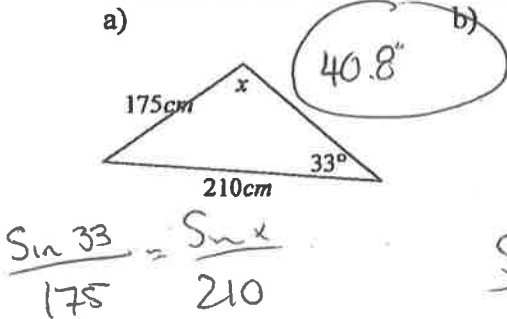


b)

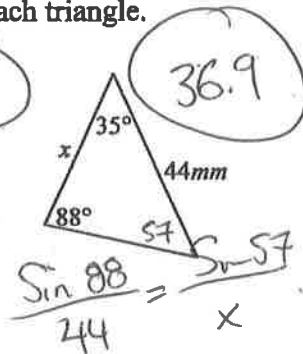


3. Solve for the unknown in each triangle.

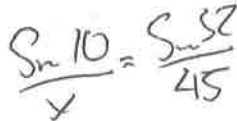
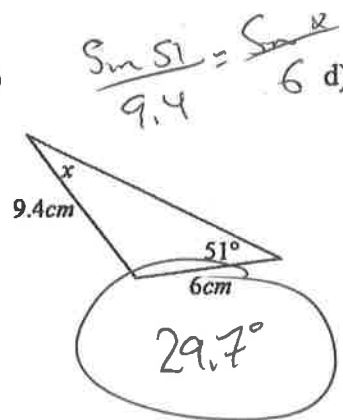
a)



b)

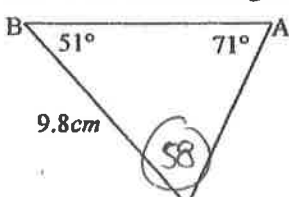


c)



4. Solve for all missing sides and angles in each triangle.

a)



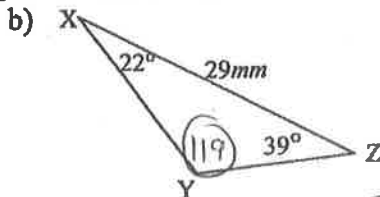
$$\frac{\sin 51}{x} = \frac{\sin 71}{9.8}$$

$$x = 8.1$$

$$\frac{\sin 58}{y} = \frac{\sin 71}{9.8}$$

$$y = 8.8$$

b)



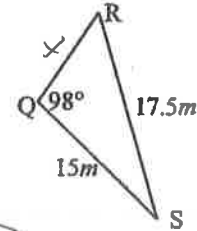
$$\frac{\sin 119}{29} = \frac{\sin 22}{x}$$

$$x = 12.4$$

$$\frac{\sin 119}{29} = \frac{\sin 39}{y}$$

$$y = 20.9$$

c)



$$\frac{\sin 98}{17.5} = \frac{\sin R}{15}$$

$$\angle R = 58^\circ$$

$$\angle S = 24^\circ$$

$$\frac{\sin 98}{17.5} = \frac{\sin 24}{x}$$

$$x = 7.2$$