

11a)
p. 143

$$A_{SH} = A_{LC} - A_{2SC}$$

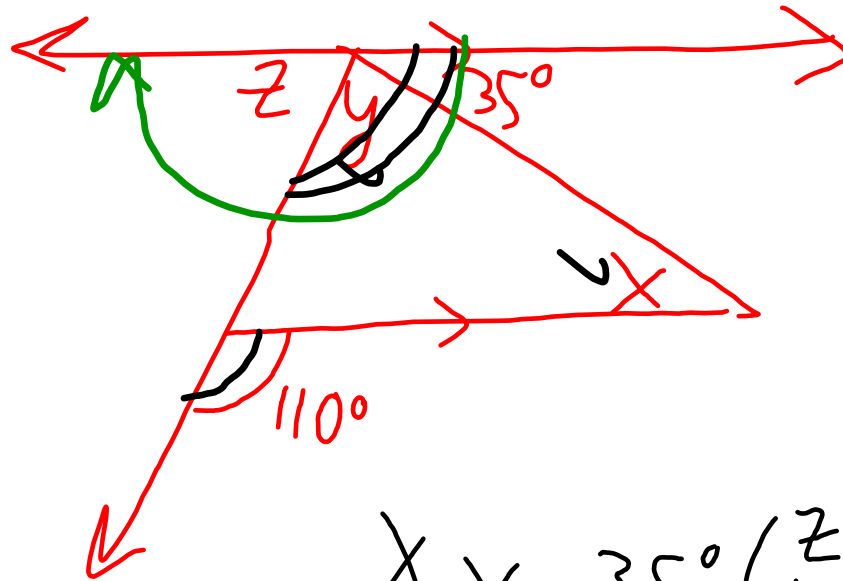
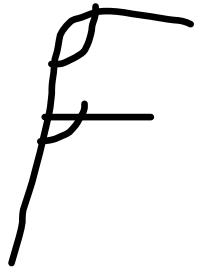
$$\text{Area of Circle} = \pi r^2$$

$$A_{SH} = \pi (4.8)^2 - 2(\pi (2.4)^2)$$

$$A_{SH} = 72.3456 - 36.1728$$

$$A_{SH} = 36.1728 \text{ cm}^2$$

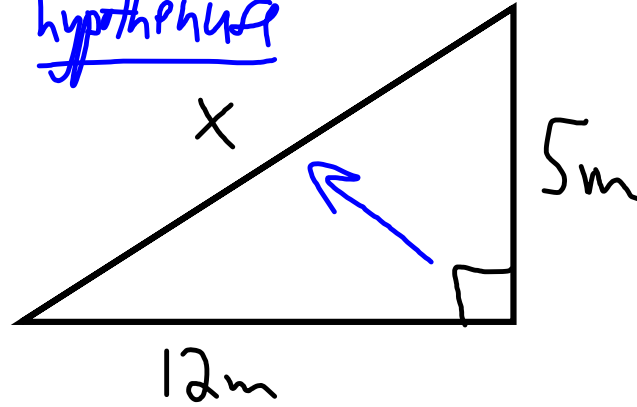
12b)
p.143



$$\begin{aligned} \angle x &= 35^\circ \text{ (alternate } \angle) \\ \angle y &= 110 - 35 = 75^\circ \text{ (} \angle \text{ corresponding } \angle) \\ \angle z &= 180 - 110 = 70^\circ \text{ (SA)} \\ &= 180 - y - 35 \\ &= 180 - 75 - 35 = 70^\circ \text{ (Str. line)} \end{aligned}$$

#5a)

hypotenuse



x
y
x

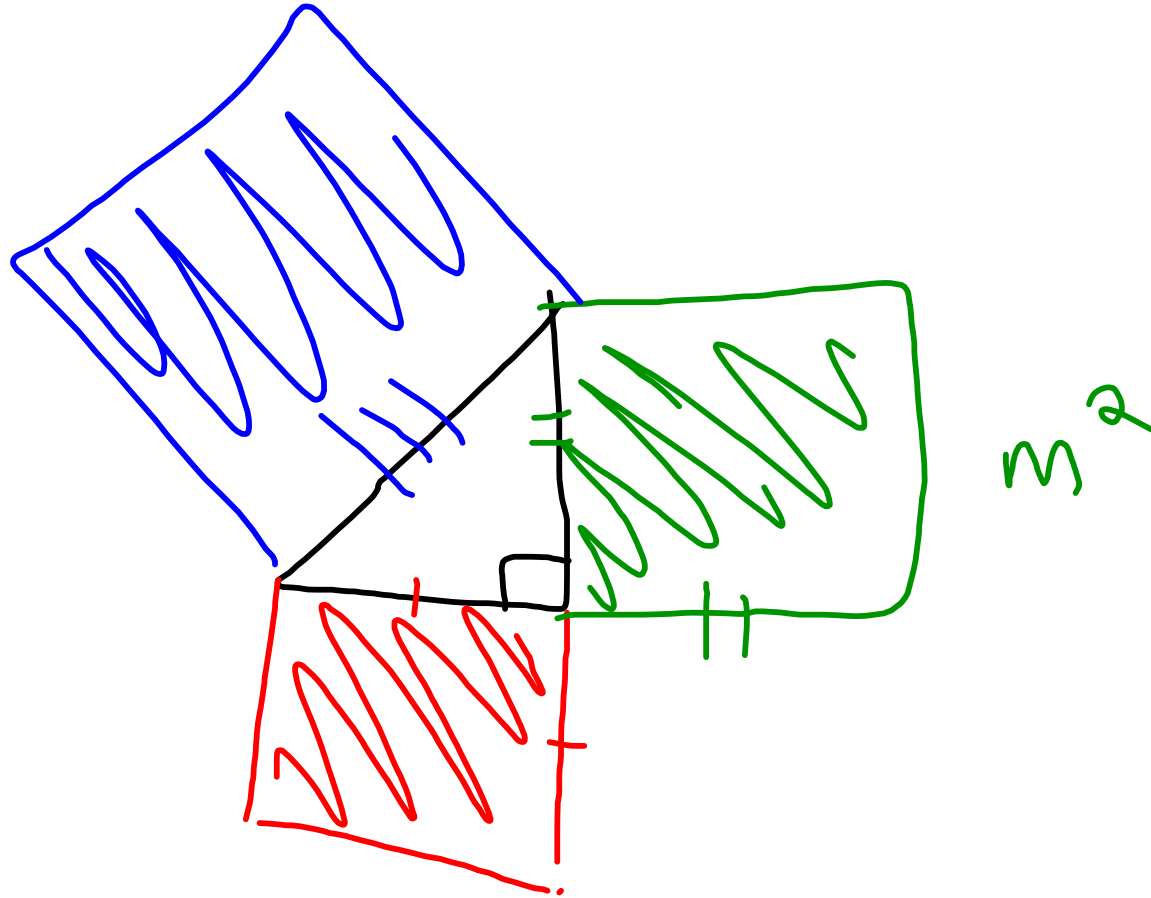
$$a^2 + b^2 = c^2$$

$$12^2 + 5^2 = c^2$$

$$144 + 25 = c^2$$

$$\sqrt{169} = \sqrt{c^2}$$

$$c = 13$$



$$a^2 + b^2 = c^2$$