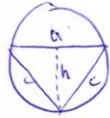


1.10.1
6



$$a+h=10$$

$$S = \frac{ah}{2} = \frac{ac^2}{4 \cdot 5} \rightarrow c = \sqrt{10h}$$

$$c^2 = h^2 + (0.5a)^2$$

$$10h = h^2 + \frac{1}{4}a^2$$

$$\begin{aligned} 40h &= h^2 + (10-h)^2 \\ 40h &= h^2 + 100 - 20h + h^2 \\ 5h^2 - 60h + 100 &= 0 \\ h^2 - 12h + 20 &= 0 \end{aligned}$$

$$\begin{aligned} &\cancel{h=10} \\ &\boxed{h=2} \\ &\cancel{h=10} \end{aligned}$$

כך נמצאים $\sqrt{20}, \sqrt{20}$
 $a=8$
כפי הנראה $8^2 > 2+20$ הוא
החומר $\sqrt{20}$
ולכן $a=15$ ו- $h=2$