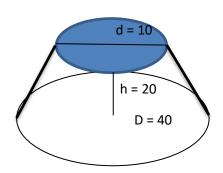
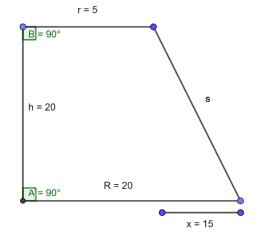
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$$d = 10$$

$$r = \frac{d}{2} = 5$$

$$D = 40$$

$$R = \frac{D}{2} = 20$$

$$h = 20$$

Find S

$$s = \sqrt{x^2 + h^2}$$

$$= \sqrt{15^2 + 20^2} \quad | Indsæt tal$$

$$= \sqrt{225 + 400} \quad | Udregn potens$$

$$= \sqrt{625} \qquad | Plus$$

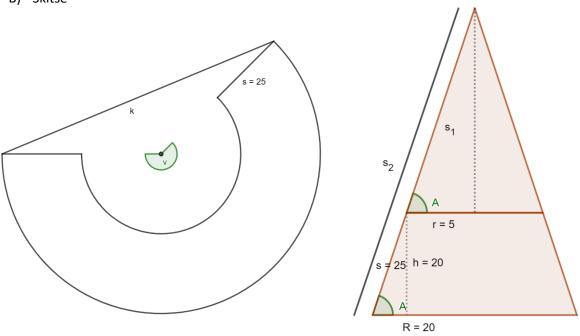
$$= 25 \qquad | Kvrod$$

A) Find de krumme overfladeareal

$$\begin{split} A_{krum} &= \pi \cdot s \cdot (R+r) \\ &= \pi \cdot 25 \cdot (20+5) \mid Indsæt \ tal \\ &= \pi \cdot 25 \cdot 25 \qquad \mid Udregn \ parentes \\ &= 1963.5 \qquad \mid Gange \ det \ hele \ sammen \end{split}$$

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B) Skitse



Find s_1

Find s_2

$$s_2 = s + s_1$$

= 25 + 8.33 | Indsæt tal
= 33.33 | Udregn

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Find centervinklen

$$v = \frac{360 \cdot R}{s_2}$$

$$= \frac{360 \cdot 20}{33.33} \quad | Indsæt tal$$

$$= \frac{7200}{33.33} \quad | Udregn tæller$$

$$= 216 \quad | Udregn brøk$$

Find korden

$$\begin{aligned} k &= 2 \cdot s_2 \cdot \sin \frac{v}{2} \\ &= 2 \cdot 33.33 \cdot \sin \frac{216}{2} \quad | \, \textit{Indsæt tal} \\ &= 2 \cdot 33.33 \cdot \sin 108 \quad | \, \textit{Udregn brøk} \\ &= 2 \cdot 33.33 \cdot 0.951 \quad | \, \textit{Sin} \\ &= 63.39 \qquad | \, \textit{Gang hele lortet sammen} \end{aligned}$$