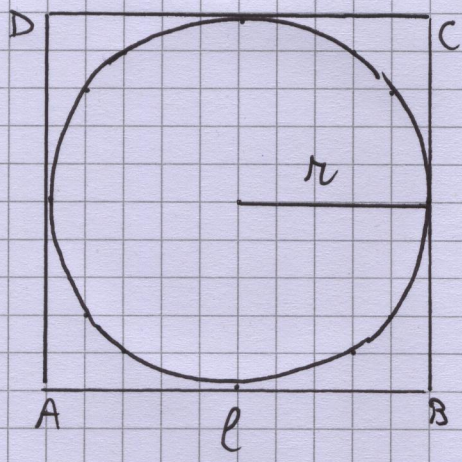
Es 1



25,12 +
31,40 =
56,52

251,2 +
3,14 =
254,34

DATI

$r = 9\,cm$

$C = ?$

$A_c = ?$

$p_{ABCD} = ?$

$A_{ABCD} = ?$

SVOLGIMENTO

$C = 2\pi r = 2 \cdot 9\pi = 18\pi \simeq 56,52\,cm$

$A_c = \pi r^2 = 9^2\pi = 81\pi \simeq 254,34\,cm$

$AB = \ell = 2r = 18\,cm$

$p_{ABCD} = 4\ell = 18 \cdot 4 = 9 \cdot 8 = 72\,cm$

$A_{ABCD} = \ell^2 = 18^2 = 324\,cm^2$

Es 2

DATI

$A_c = 2601\pi\,cm^2$

$d = ?$

SVOLGIMENTO

$A_c = \pi r^2 \rightarrow r = \sqrt{\frac{A_c}{\pi}}$

$r = \sqrt{\frac{2601\pi}{\pi}} = \sqrt{2601} = 51\,cm$

$d = 2r = 51 \cdot 2 = 102\,cm$

Es 3

DATI

$\alpha = 60°$

$d = 24\ cm$

$AB = \ell = ?$

$A_S = ?$

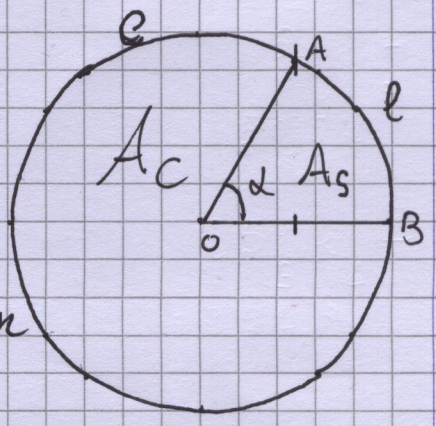
$62,8 + 12,56 = 75,36$

SVOLGIMENTO

$\frac{\alpha}{360} = \frac{60}{360} = \frac{1}{6} = \frac{\ell}{C} = \frac{A_S}{A_C}$

$C = \pi d = 24\pi\ cm$

$\ell = \frac{1}{6} C = \frac{24\pi}{6} = 4\pi \simeq 12,56\ cm$



$r = \frac{1}{2} d = \frac{24}{2} = 12\ cm$

$A_C = \pi r^2 = 12^2 \pi = 144\pi\ cm^2$

$A_S = \frac{1}{6} A_C = \frac{144}{6}\pi = \frac{72}{3}\pi = 24\pi\ cm^2 \simeq 75,36\ cm^2$

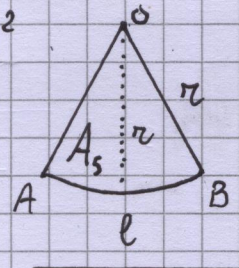
Es 4

DATI

$\overset{\frown}{AB} = \ell = 10\ cm$

$A_S = 15\ cm^2$

$r = ?$



SVOLGIMENTO

$A_S = \frac{\ell \cdot r}{2} \rightarrow r = \frac{2A_S}{\ell}$

$r = \frac{2 \cdot 15}{10} = \frac{15}{5} = 3\ cm$
