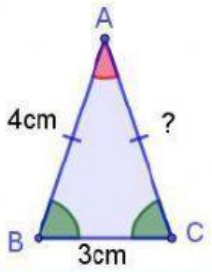
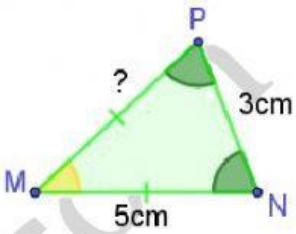
PROPRIETĂȚILE TRIUNGHIULUI ISOSCEL

(fișă de lucru) Prof. Lukacs Tiberiu

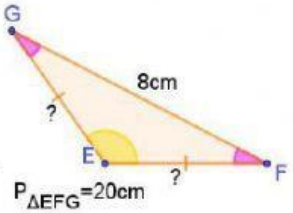
ip	ABC isoscel $\|AB\| = 4cm$ $\|BC\| = 3cm$ $m(\sphericalangle A) = 40^\circ$
c	$\|AC\| =$ $m(\sphericalangle B) =$ $m(\sphericalangle C) =$



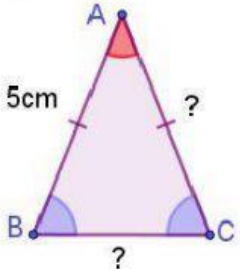
ip	MNP isoscel $\|MN\| = 5\ cm$ $\|NP\| = 3\ cm$ $m(\sphericalangle N) = 65^\circ$
c	$\|MP\| =$ $m(\sphericalangle P) =$ $m(\sphericalangle M) =$



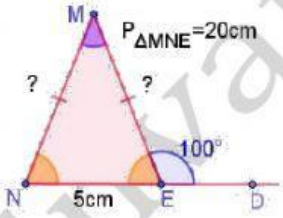
ip	EFG isoscel $\|GF\| = 8\ cm$ $P_{\triangle EFG} = 20cm$ $m(\sphericalangle G) = 35^\circ$
c	$\|EG\| =$ $\|EF\| =$ $m(\sphericalangle F) =$ $m(\sphericalangle E) =$



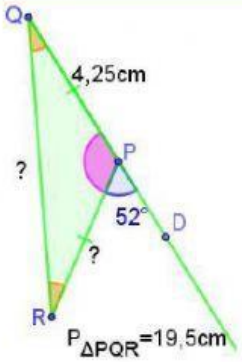
ip	ABC isoscel $\|AB\| = 5\ cm$ $P_{\triangle ABC} = 14cm$ $m(\sphericalangle A) = 30^\circ$
c	$\|AC\| =$ $\|BC\| =$ $m(\sphericalangle B) =$ $m(\sphericalangle C) =$



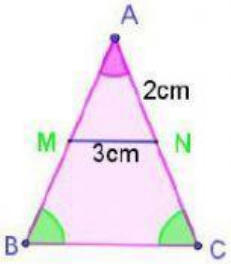
ip	MNE isoscel N,E,D coliniare $m(\sphericalangle MED) = 100^\circ$ $\|NE\| = 5\ cm$ $P_{\triangle MNE} = 20cm$
c	$\|MN\| =$ $\|ME\| =$ $m(\sphericalangle MEN) =$ $m(\sphericalangle MNE) =$ $m(\sphericalangle NME) =$



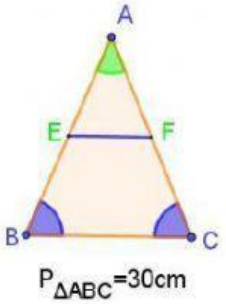
ip	PQR isoscel Q,P,D coliniare $m(\sphericalangle RPD) = 52^\circ$ $\|QP\| = 4,25\ cm$ $P_{\triangle PQR} = 19,5cm$
c	$\|PR\| =$ $\|QR\| =$ $m(\sphericalangle PQR) =$ $m(\sphericalangle QPR) =$ $m(\sphericalangle PRQ) =$



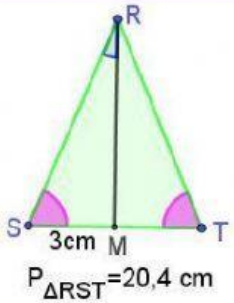
ip	ABC isoscel $(AB \equiv AC)$ MN linie mijlocie $m(\sphericalangle A) = 54^\circ$ $\|AN\| = 2\ cm$
c	$\|NC\| =$ $\|BC\| =$ $m(\sphericalangle ABC) =$ $m(\sphericalangle AMN) =$ $P_{\triangle ABC} =$ $P_{\triangle AMN} =$



ip	ABC isoscel $(AB \equiv AC)$ EF linie mijlocie $m(\sphericalangle AEF) = 64^\circ$ $\|AB\| = 11\ cm$ $P_{\triangle ABC} = 30cm$
c	$\|AF\| =$ $\|EF\| =$ $m(\sphericalangle ABC) =$ $m(\sphericalangle A) =$ $m(\sphericalangle CFE) =$ $P_{\triangle AEF} =$

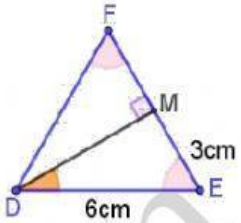


ip	RST isoscel $(RS \equiv RT)$ RM mediana $m(\sphericalangle SRM) = 16^\circ$ $\lvert SM \rvert = 3\ cm$ $P_{\triangle ABC} = 20,4cm$
c	$\lvert ST \rvert =$ $\lvert SR \rvert =$ $m(\sphericalangle SRT) =$ $m(\sphericalangle RTS) =$ $m(\sphericalangle RMT) =$

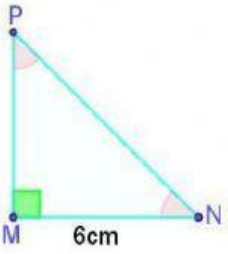


$P_{\Delta RST}$=20,4 cm

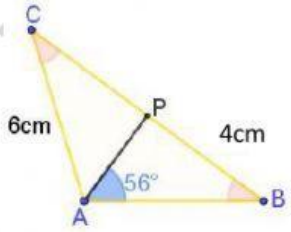
ip	DEF isoscel $(DE \equiv DF)$ DM înălțime $m(\sphericalangle EDM) = 30^\circ$ $\lvert DE \rvert = 6\ cm$ $\lvert ME \rvert = 3\ cm$
c	$\lvert DF \rvert =$ $\lvert FM \rvert =$ $m(\sphericalangle DEM) =$ $m(\sphericalangle EDF) =$ $P_{\triangle EDF} =$



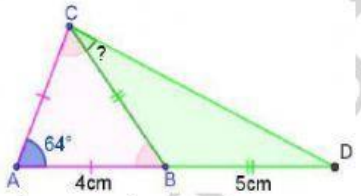
ip	MNP isoscel $(MN \equiv MP)$ $PM \perp MN$ $\lvert MN \rvert = 6\ cm$
c	$\lvert MP \rvert =$ $m(\sphericalangle PMN) =$ $m(\sphericalangle MPN) =$ $m(\sphericalangle MNP) =$



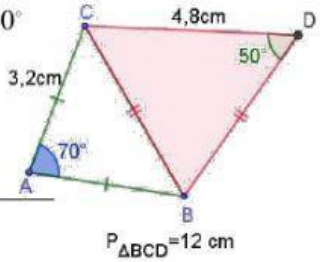
ip	ABC isoscel $(AB \equiv AC)$ AP bisectoare $m(\sphericalangle PAB) = 56^\circ$ $\lvert AC \rvert = 6\ cm$
c	$\lvert AB \rvert =$ $\lvert BC \rvert =$ $m(\sphericalangle BAC) =$ $m(\sphericalangle ABP) =$ $P_{\triangle ABC} =$



ip	ABC isoscel BDC isoscel $m(\sphericalangle A) = 64^\circ$ $\lvert AB \rvert = 4\ cm$ $\lvert BD \rvert = 5\ cm$
c	$\lvert AC \rvert =$ $\lvert BC \rvert =$ $m(\sphericalangle ABC) =$ $m(\sphericalangle BCD) =$ $P_{\triangle ABC} =$

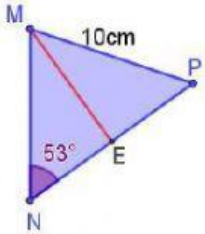


ip	ABC isoscel BDC isoscel $m(\sphericalangle A) = 70^\circ$ $m(\sphericalangle D) = 50^\circ$ $\lvert AC \rvert = 3,2\ cm$ $\lvert CD \rvert = 4,8\ cm$ $P_{\triangle BCD} = 12cm$
c	$\lvert AB \rvert =$ $\lvert BC \rvert =$ $m(\sphericalangle ACD) =$ $m(\sphericalangle ABC) =$ $P_{\triangle ABC} =$ $P_{ABDC} =$



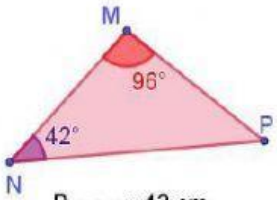
$P_{\Delta BCD}$=12 cm

ip	MNP triunghi ME mediatoare $m(\sphericalangle N) = 53^\circ$ $\lvert MP \rvert = 10\ cm$ $P_{\triangle PMN} = 32cm$
c	MNP triunghi..... $\lvert MN \rvert =$ $\lvert EP \rvert =$ $m(\sphericalangle NPM) =$ $m(\sphericalangle NME) =$ $m(\sphericalangle MEN) =$



$P_{\Delta MNP}$=32 cm

ip	MNP triunghi $m(\sphericalangle M) = 96^\circ$ $m(\sphericalangle N) = 42^\circ$ $\lvert MN \rvert$ și $\lvert NP \rvert$ direct proportionale cu 2 și 3 $P_{\triangle MNP} = 42cm$
c	$m(\sphericalangle NPM) =$ MNP triunghi..... $\lvert MN \rvert =$ $\lvert NP \rvert =$



$P_{\Delta MNP}$=42 cm