## Great angle chase: Solutions

http://topdrawer.aamt.edu.au/Geometric-reasoning/Good-teaching/Looking-beyond-the-lines/Visualising-relationships/Great-angle-chase


Cyclic quadrilaterals
PUSR
PTSR
PQRT
PQRS
IJNR
QUSR

Equal line segments
$P Q=R S$
$U R=P T$
$P R=Q S$
$P O=O S$
$P I=I Q$
$P U=Q R$

Equal arcs
$P Q=R S$
$Q S=P R$
$U R=P T$
$P R=Q S$
$P O=O S$
$P U=Q R$

Parallel lines
$P S \| Q R$


