

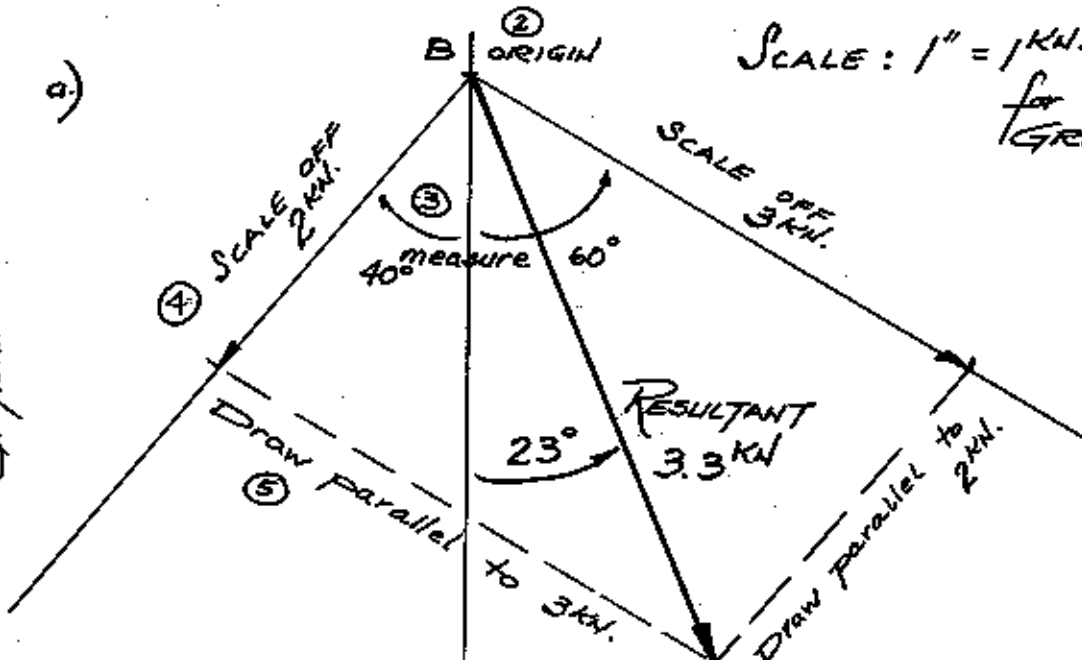
FIND RESULTANT of FORCES
a) parallelogram law
b) triangle rule.

SEE SAMPLE PROB. 2.1

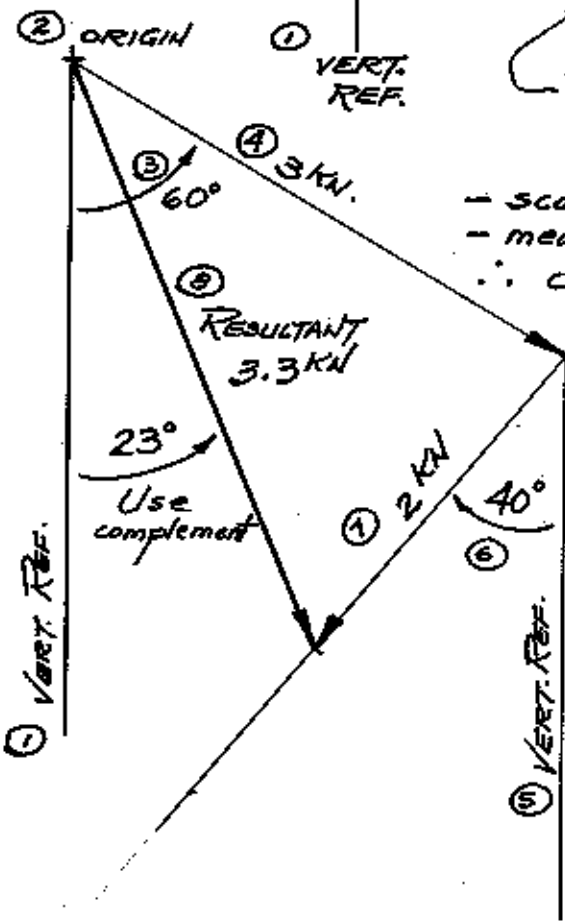
SCALE: 1" = 1 kN.

for both
GRAPHICAL
POLYGONS

a)



b)



"parallel" lines intersect to close parallelogram

$BB' = \text{RESULTANT}$

- scale magnitude = 3.3 kN
- measure angle = 23°

∴ complement with respect to horiz.

$\vec{R} = 3.3 \text{ kN} \angle 67^\circ$

- b) - Add VECTORS
HEAD TO TAIL.
- CLOSE POLYGON
- measure length = 3.3 kN
+ angle = 67°

Continue...

for trigonometric solution
and analytical vectors.