AZIMUTHS AND BEARINGS

DIRECTION OF MEASUREMENT:

BEARINGS - MEASURED IN DIRECTION INDICATED BY ARROWS IN EACH QUADRANT FROM SOUTH (0°) TO NORTH (180°)

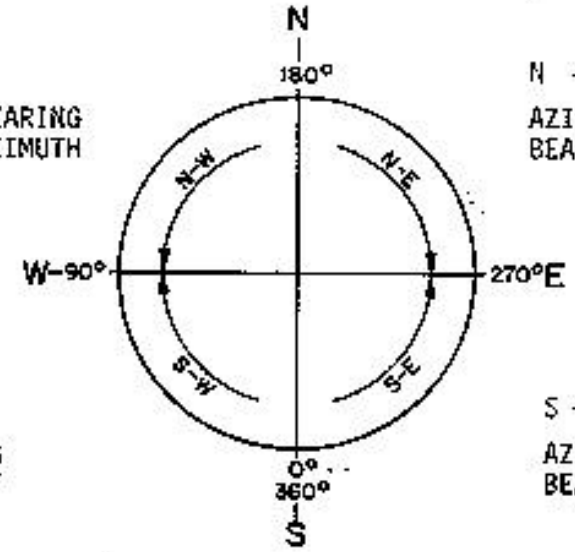
AZIMUTHS - MEASURED IN CLOCKWISE DIRECTION FROM 0° (SOUTH POINT) TO 360°

N ——°—— W

AZIMUTH = 180°-BEARING
BEARING = 180°-AZIMUTH

N ——°—— E

AZIMUTH = BEARING+180°
BEARING = AZIMUTH-180°



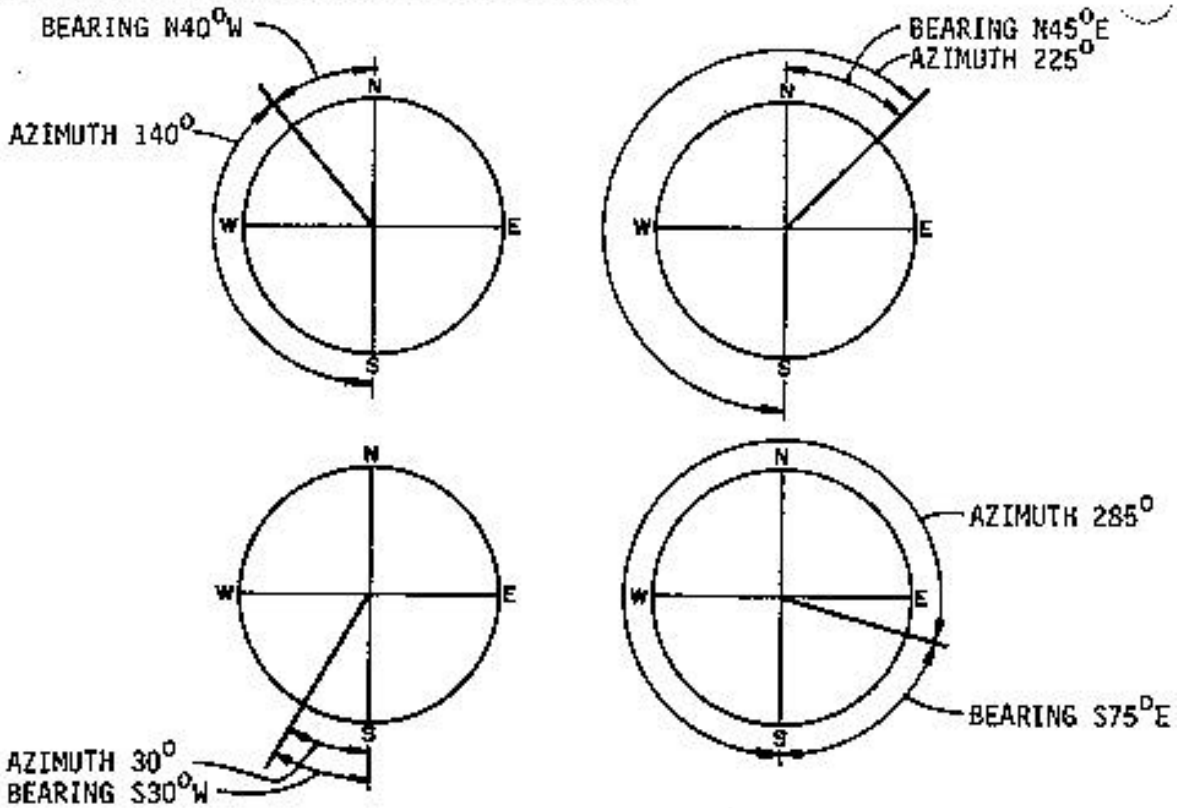
S ——°—— W

AZIMUTH = BEARING
BEARING = AZIMUTH

S ——°—— E

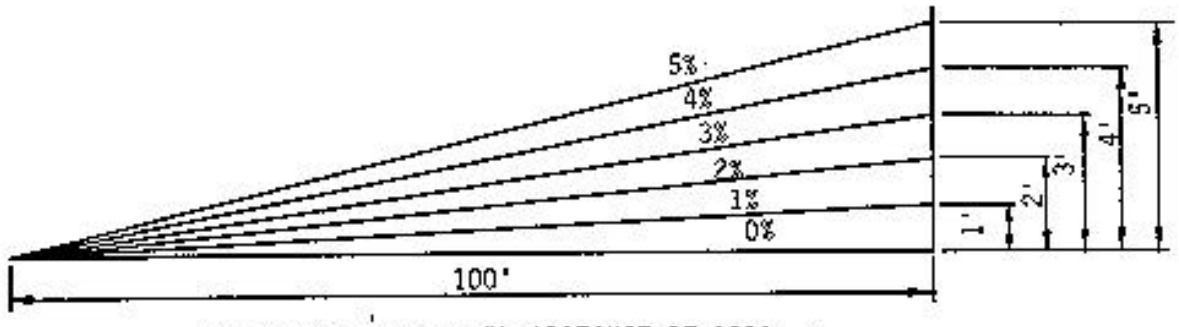
AZIMUTH = 360°-BEARING
BEARING = 360°-AZIMUTH

RELATIONS BETWEEN BEARINGS AND AZIMUTHS:



SLOPE EXPRESSIONS

PERCENTAGE:



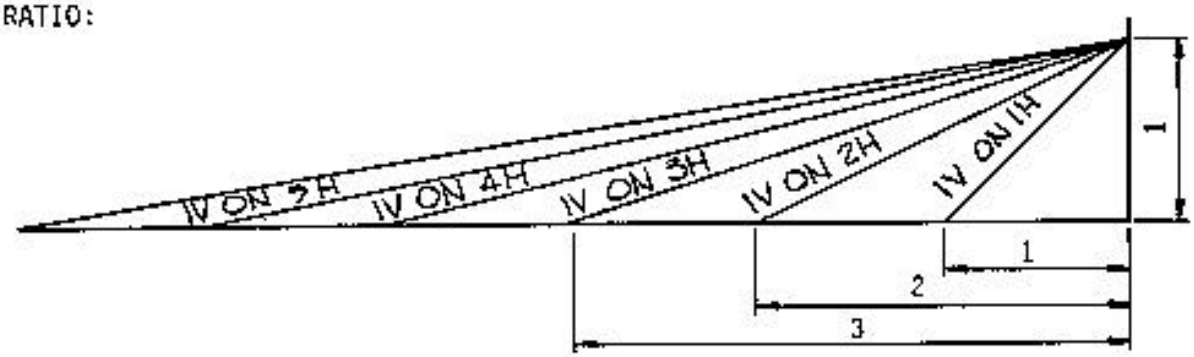
1% SLOPE RISES 1' IN DISTANCE OF 100'

2% SLOPE RISES 2' IN DISTANCE OF 100'

2.5% SLOPE RISES 2½' IN DISTANCE OF 100'

2.75% SLOPE RISES 2 3/4' IN DISTANCE OF 100'

RATIO:



1V ON 1H SLOPE RISES 1' IN DISTANCE OF 1'

1V ON 2H SLOPE RISES 1' IN DISTANCE OF 2'

1V ON 3H SLOPE RISES 1' IN DISTANCE OF 3'

1V ON 1H

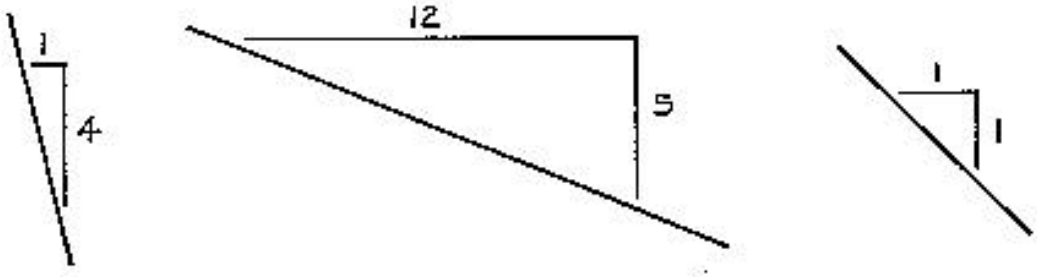



ILLUSTRATION: