GEOMETRY Worksheet NAME_____

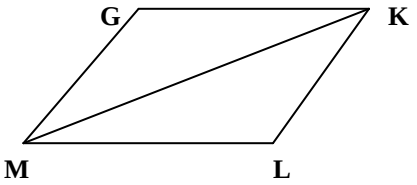
≅Δs Worksheet II DATE_____ PERIOD_____

Write Δ congruence (if possible) and tell which postulate (SSS, SAS, ASA, or AAS) you are using.

1. ΔGKM≅Δ_____ by _____

$\overline{GK} \parallel \overline{ML}$

GK≅ML

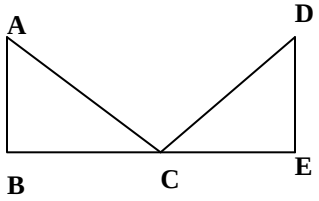


2. ΔABC≅Δ_____ by _____

∠B ≅ ∠E

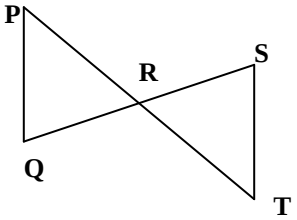
C is midpoint of $\overline{BE}$

∠DCB≅∠ECA



3. ΔPRQ≅Δ_____ by _____

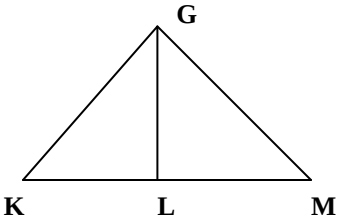
R is midpoint of both PT and QS



4. ΔKLG≅Δ_____ by _____

GL bisects KM

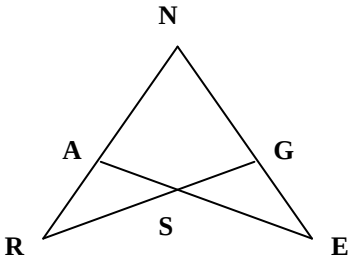
GL bisects ∠KGM



5. ΔRNG≅Δ_____ by _____

RN ≅ NE

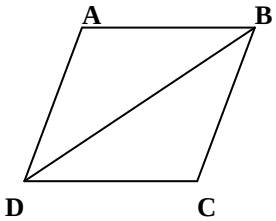
∠R ≅ ∠E



6. ΔDAB≅Δ_____ by _____

AB || DC

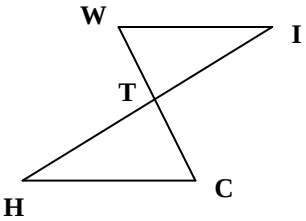
∠A ≅ ∠C



7. ΔWIT≅Δ_____ by _____

T is midpt. of HI

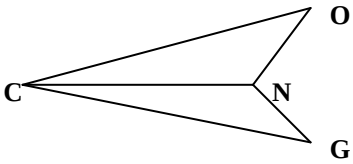
WI || HC



8. ΔCON≅Δ_____ by _____

CO ≅ GC

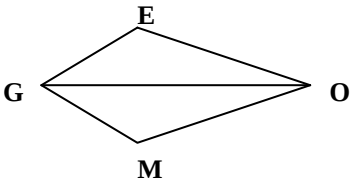
ON ≅ NG



9. ΔGEO≅Δ_____ by _____

OG bisects ∠EOM

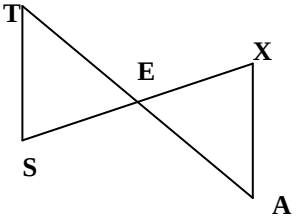
EO ≅ MO



10. ΔTES ≅Δ_____ by _____

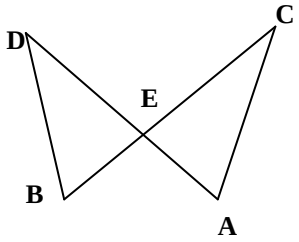
E is midpoint of both TA and SX

TS ≅ AX



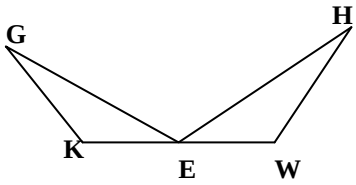
11. ΔDEB≅Δ_____ by _____

DE ≅ EC
BE ≅ AE



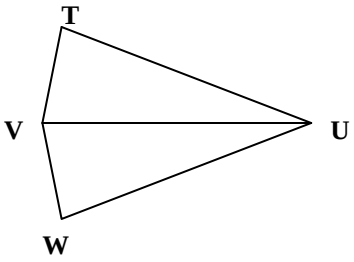
12. ΔKEG≅Δ_____ by _____

E is midpoint of KW
∠KEG ≅ ∠WEH
∠K ≅ ∠W



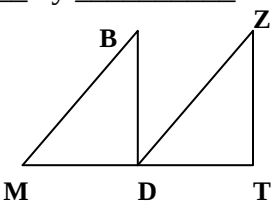
13. ΔTVU≅Δ_____ by _____

∠VTU ≅ ∠UVW
∠ TVU ≅ ∠UWV



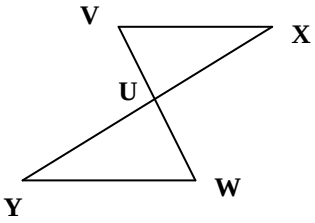
14. ΔMDB ≅Δ_____ by _____

D is midpoint of MT
BD ≅ ZT
$\overline{BD} \parallel \overline{ZT}$



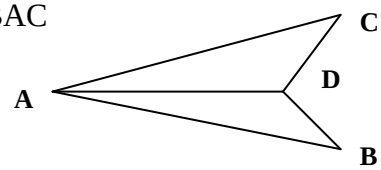
15. ΔWUY≅Δ_____ by _____

U is midpoint of both
YX and WV
WY ≅ VX



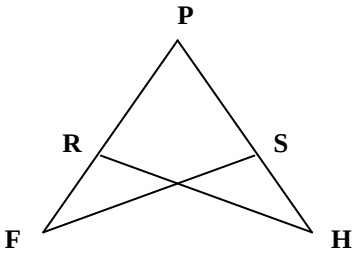
16. ΔBAD≅Δ_____ by _____

AD bisects ∠BAC
BA ≅ CA



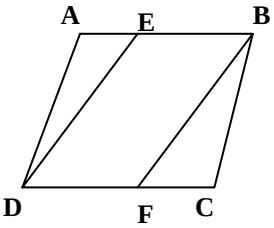
17. ΔPFS≅Δ_____ by _____

FP ≅ HP
RF ≅ SH



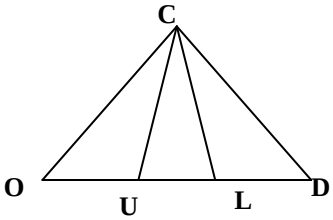
18. ΔAED≅Δ_____ by _____

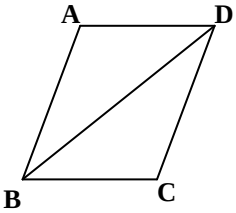
AE ≅ FC
DE ≅ FB
∠BED ≅ ∠DFB



19. ΔCOL≅Δ_____ by _____
ΔCOU≅Δ_____ by _____

∠CUD ≅ ∠CLO
CU≅CL
∠OCU≅∠DCL



20. ΔABD≅Δ_____ by _____

AB ∥ DC
AD ∥ BC