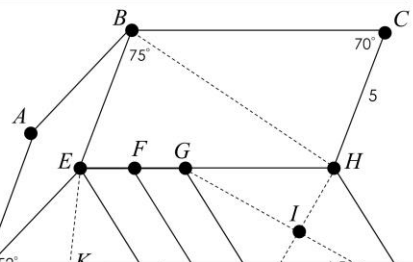


# The Quat QUAD CHALLENGE!

V1

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_



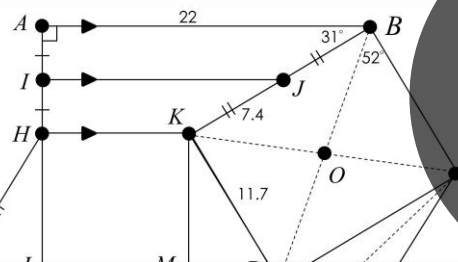
Directions: Find each measure.  
Round side lengths to the nearest tenth and angle measures to the nearest degree.

- BC = \_\_\_\_\_  $m\angle CHE =$  \_\_\_\_\_
- AD = \_\_\_\_\_  $m\angle CBH =$  \_\_\_\_\_
- EF = \_\_\_\_\_  $m\angle ABE =$  \_\_\_\_\_
- GH = \_\_\_\_\_  $m\angle DAB =$  \_\_\_\_\_
- HI = \_\_\_\_\_  $m\angle HGM =$  \_\_\_\_\_
- GM = \_\_\_\_\_  $m\angle GIM =$  \_\_\_\_\_
- EL = \_\_\_\_\_  $m\angle EGI =$  \_\_\_\_\_

# The Quat QUAD CHALLENGE!

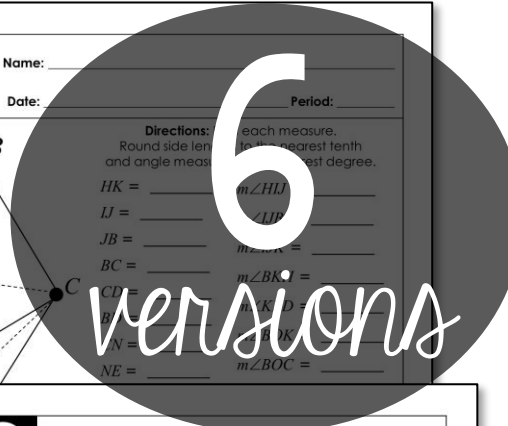
V4

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_



Directions: Find each measure.  
Round side lengths to the nearest tenth and angle measures to the nearest degree.

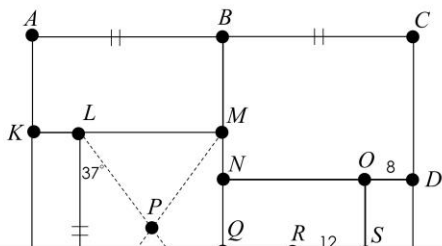
- HK = \_\_\_\_\_  $m\angle HIK =$  \_\_\_\_\_
- IJ = \_\_\_\_\_  $m\angle IJP =$  \_\_\_\_\_
- JB = \_\_\_\_\_  $m\angle JBA =$  \_\_\_\_\_
- BC = \_\_\_\_\_  $m\angle BCK =$  \_\_\_\_\_
- CD = \_\_\_\_\_  $m\angle CDO =$  \_\_\_\_\_
- DE = \_\_\_\_\_  $m\angle EDK =$  \_\_\_\_\_
- NE = \_\_\_\_\_  $m\angle BOC =$  \_\_\_\_\_



# The Quat QUAD CHALLENGE!

V2

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_



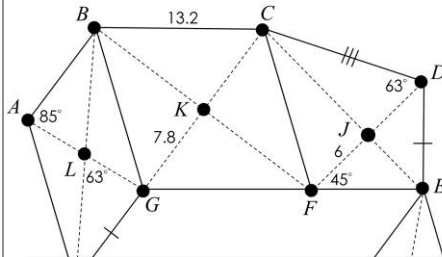
Directions: Find each measure.  
Round side lengths to the nearest tenth and angle measures to the nearest degree.

- BC = \_\_\_\_\_  $m\angle VLM =$  \_\_\_\_\_
- KL = \_\_\_\_\_  $m\angle TMV =$  \_\_\_\_\_
- LM = \_\_\_\_\_  $m\angle MPV =$  \_\_\_\_\_
- MN = \_\_\_\_\_  $m\angle LPM =$  \_\_\_\_\_
- NO = \_\_\_\_\_  $m\angle LPT =$  \_\_\_\_\_
- OS = \_\_\_\_\_  $m\angle VTM =$  \_\_\_\_\_
- GF = \_\_\_\_\_  $m\angle TVL =$  \_\_\_\_\_

# The Quat QUAD CHALLENGE!

V5

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_



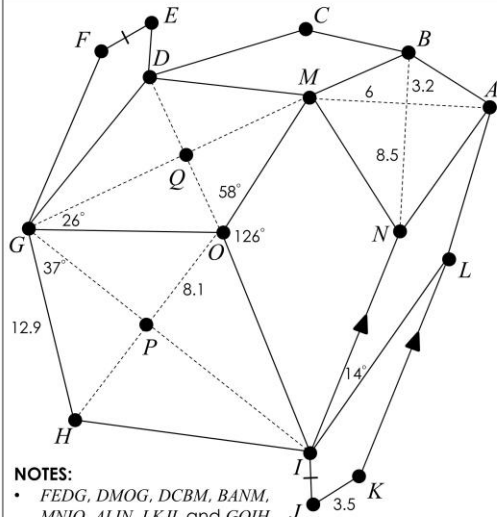
Directions: Find each measure.  
Round side lengths to the nearest tenth and angle measures to the nearest degree.

- AB = \_\_\_\_\_  $m\angle ABH =$  \_\_\_\_\_
- AH = \_\_\_\_\_  $m\angle BGA =$  \_\_\_\_\_
- GC = \_\_\_\_\_  $m\angle AHB =$  \_\_\_\_\_
- BF = \_\_\_\_\_  $m\angle GBC =$  \_\_\_\_\_
- CF = \_\_\_\_\_  $m\angle BCG =$  \_\_\_\_\_
- FE = \_\_\_\_\_  $m\angle CFB =$  \_\_\_\_\_
- ME = \_\_\_\_\_  $m\angle FCJ =$  \_\_\_\_\_
- MP = \_\_\_\_\_  $m\angle FED =$  \_\_\_\_\_

# The Quat QUAD CHALLENGE!

V3

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_



Directions: Find each measure.  
Round side lengths to the nearest tenth and angle measures to the nearest degree.

- GO = \_\_\_\_\_  $AB =$  \_\_\_\_\_
- PH = \_\_\_\_\_  $AM =$  \_\_\_\_\_
- GP = \_\_\_\_\_  $m\angle GPH =$  \_\_\_\_\_
- IJ = \_\_\_\_\_  $m\angle PGO =$  \_\_\_\_\_
- FE = \_\_\_\_\_  $m\angle DOG =$  \_\_\_\_\_
- ED = \_\_\_\_\_  $m\angle GOI =$  \_\_\_\_\_
- MB = \_\_\_\_\_  $m\angle OIH =$  \_\_\_\_\_
- MN = \_\_\_\_\_  $m\angle GIH =$  \_\_\_\_\_
- MO = \_\_\_\_\_  $m\angle GHI =$  \_\_\_\_\_
- DG = \_\_\_\_\_  $m\angle DGM =$  \_\_\_\_\_
- FG = \_\_\_\_\_  $m\angle GDO =$  \_\_\_\_\_
- MD = \_\_\_\_\_  $m\angle ODM =$  \_\_\_\_\_
- CD = \_\_\_\_\_  $m\angle DMG =$  \_\_\_\_\_
- CB = \_\_\_\_\_  $m\angle MQO =$  \_\_\_\_\_
- AN = \_\_\_\_\_  $m\angle MNI =$  \_\_\_\_\_
- AL = \_\_\_\_\_  $m\angle ILK =$  \_\_\_\_\_

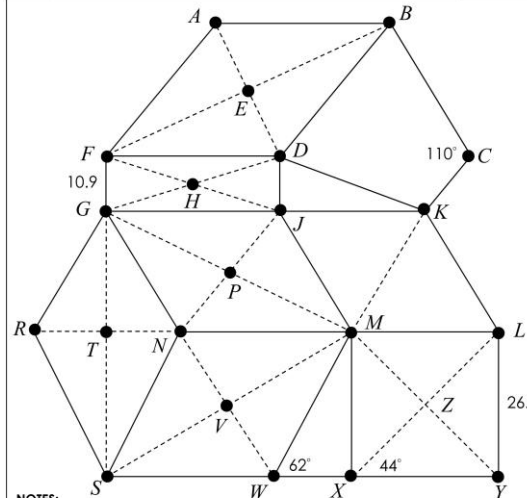
**NOTES:**

- FEDG, DMOG, DCBM, BANM, MNO, ALIN, LKJI, and GOIH are kites

# The Quat QUAD CHALLENGE!

V6

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_



Directions: Find each measure.  
Round side lengths to the nearest tenth and angle measures to the nearest degree.

- AB = \_\_\_\_\_  $m\angle FAB =$  \_\_\_\_\_
- AD = \_\_\_\_\_  $m\angle AFB =$  \_\_\_\_\_
- FE = \_\_\_\_\_  $m\angle BDC =$  \_\_\_\_\_
- BC = \_\_\_\_\_  $m\angle DBC =$  \_\_\_\_\_
- FJ = \_\_\_\_\_  $m\angle DGJ =$  \_\_\_\_\_
- JK = \_\_\_\_\_  $m\angle JDK =$  \_\_\_\_\_
- KM = \_\_\_\_\_  $m\angle GNM =$  \_\_\_\_\_
- GM = \_\_\_\_\_  $m\angle KLM =$  \_\_\_\_\_
- NP = \_\_\_\_\_  $m\angle TSN =$  \_\_\_\_\_
- GT = \_\_\_\_\_  $m\angle RSN =$  \_\_\_\_\_
- RT = \_\_\_\_\_  $m\angle RGT =$  \_\_\_\_\_
- NV = \_\_\_\_\_  $m\angle NSW =$  \_\_\_\_\_
- SM = \_\_\_\_\_  $m\angle SNM =$  \_\_\_\_\_
- SW = \_\_\_\_\_  $m\angle NWM =$  \_\_\_\_\_
- XY = \_\_\_\_\_  $m\angle SVW =$  \_\_\_\_\_
- MY = \_\_\_\_\_  $m\angle XMY =$  \_\_\_\_\_
- XZ = \_\_\_\_\_  $m\angle MZL =$  \_\_\_\_\_

**NOTES:**

- ABDF, JKLM, and SNMW are rhombi
- GJMN is a parallelogram
- GNSR is kite
- BCKD is an isosceles trapezoid
- FDGJ and MLYX are rectangles
- Assume any points that appear collinear are.