Q and P are midpoints.

$2(x+85)=3x+46$

$x=124$

R

$x + 50$

P

Q

$x + 85$

x

S

$3x + 46$
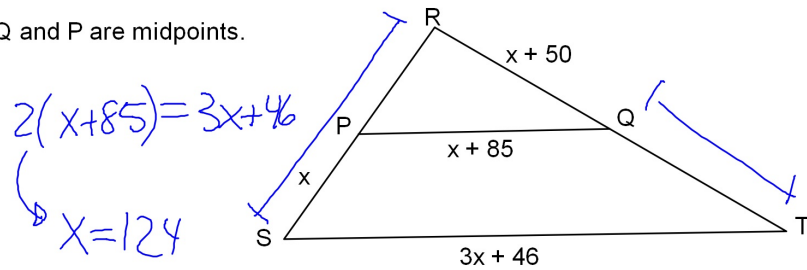
T

1. Find the length of RS.

$2(124)=248$

2. Find the length of TQ

$124+50=174$

3. Find the length of TS.

$3(124)+46 = 418$

$180-65-40$

W

$40°$

add to 180

$75°$

C

$140°$

105

N

K

40

75

$65°$

G
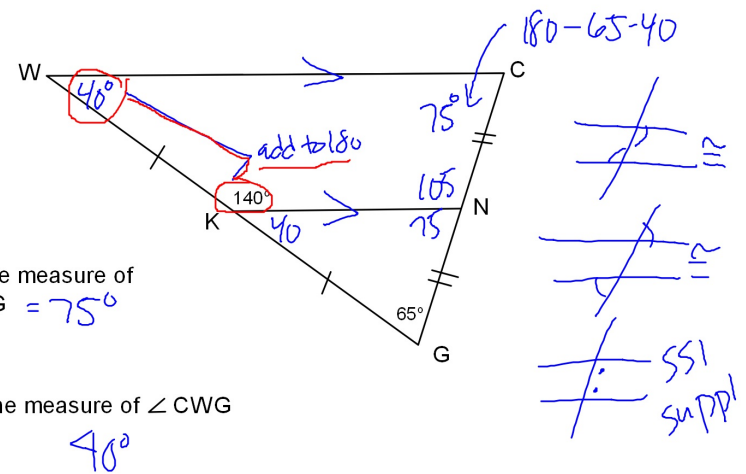
4. Find the measure of
∠ WCG $=75°$

5. Find the measure of ∠ CWG

$40°$

551
suppl

$\overrightarrow{PM}$ bisects ∠ QPR

6. Find the length of $\overline{PM}$.

$x^2 = 7^2 + 13^2$

$x = 14.8$

7. Find the length of $\overline{QM}$

7

P

13

Q

13

7

M

7

R