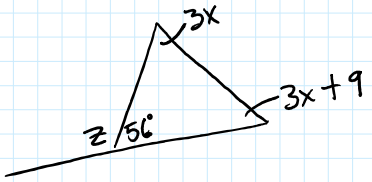
Quiz review!

Find the value of x and the measure of the exterior angle.



$3x+3x+9+56=180$
$6x+65=180$
$-65\quad -65$
$\frac{6x}{6}=\frac{115}{6}$
$x=\frac{115^\circ}{6}\approx 19\frac{1}{2}\approx 19\frac{2}{3}$

$z=3x+3x+9$; $x=19$
$3\cdot 19+3\cdot 19+9$
$z=57+57+9$
$114+9$
$z=123$

$180-56=z$
$124^\circ=z$

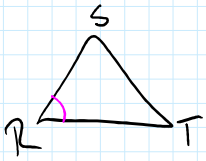
$3x+3x+9=z$; $x=15\frac{2}{3}$
$6x+9=z$; $x=\frac{59}{3}$
$\frac{2}{1}\cancel{6}\left(\frac{59}{\cancel{3}_1}\right)+9=z$
$\frac{118}{1}+9=$
127

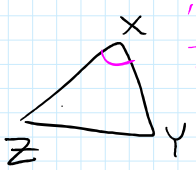
$3x+3x+9=z$; $\frac{115}{6}=x$
$6x+9=z$
$6\left(\frac{115}{6}\right)+9=z$
$115+9=z$
$124=z$

(3?)

Identify all pairs of congruent sides.

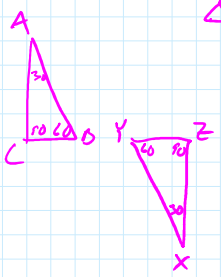
$\triangle RST\cong\triangle XYZ$





$\overline{RS}\cong\overline{XY}$
$\overline{ST}\cong\overline{YZ}$
$\overline{RT}\cong\overline{XZ}$
$3=R$ $37=Y$
$15=R$
$7=R$

$\triangle ABC\cong\triangle XYZ$

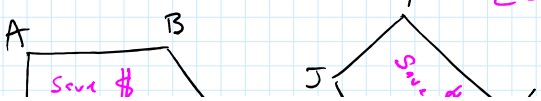


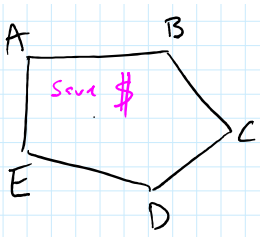
(2?)

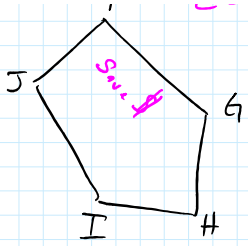
Identify all pairs of congruent angles.

$ABCDE\cong FGHIJ$

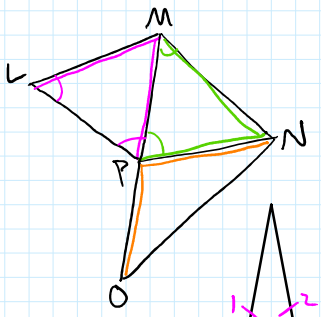
$\angle A\cong\angle F$
$\angle B\cong\angle G$
$\angle C\cong\angle H$
$\angle D\cong\angle I$
$\angle E\cong\angle J$







(17)

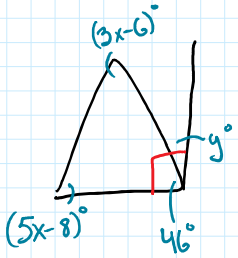


If $\overline{LM} \cong \overline{MP}$, which $\angle$'s are $\cong$? $\angle L \cong \angle MPL$

If $\angle PMN \cong \angle MPN$, which segments are $\cong$? $\overline{MN} \cong \overline{PN}$

If $\overline{PN} \cong \overline{OP}$, which $\angle$'s are $\cong$? $\angle O \cong \angle PNO$

(37)



$3x-6+5x-8+46=180$

$8x-14+46=180$

$8x+32=180$

$-32 \quad -32$

$\frac{8x}{8} = \frac{148}{8}$

$x = \frac{74}{4} = \frac{37}{2} = 18.5$

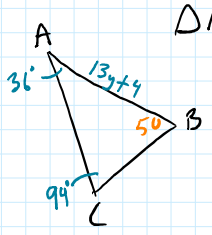
x= $\frac{37}{2}$ 18.5

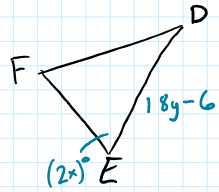
$90 - 46 = 44$

y= 44

(27)

$\triangle ABC \cong \triangle DEF$





$36+94+B=180$

$130+B=180$

$-130 \quad -130$

$B=50$

$\frac{2x}{2} = \frac{50}{2}$

$x=25$

$13y+4 = 18y-6$

$-13y \quad -13y$

$4 = 5y-6$

$+6 \quad +6$

$\frac{10}{5} = \frac{5y}{5}$

$2=y$

x= 25

y= 2

(27)

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13 Questions
Study and GOOD LUCK!