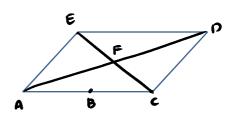
١

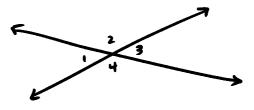
pg. 102: 1, 2, 3, 7, 12, 13, 15 pg. 97: <u>5</u>, <u>7</u>, <u>12</u>

#1 Name 3 pairs of opposite rays



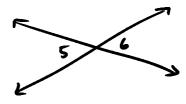


Name 2 pairs of vertical 4's

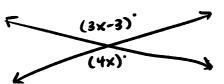


$$2 \times +7 = \times +25$$

 $\times = 18$
 $M = 45 = 2(18) +7$
 $= 36 +7$
 $= 43$

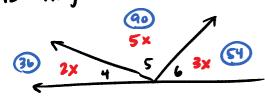


#7 is this possible?



No-you cannot have a negative angle

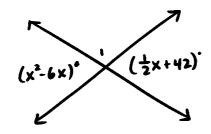
#12 Angles 4.5.6 are in a ratio of 2:5:3



#13 If a pair of vertical #15 are Supp. what can we conclude about the angles

They are = -> They must be right x 15 (90°)

#15 Find m & 1



$$x^2-6x = \frac{1}{2}x + 42$$

$$x^2 - \frac{12}{2}x = \frac{1}{2}x + 42 \leftarrow \frac{\text{common}}{\text{denominator}}$$

$$2\left(x^{2}-\frac{13}{2}x^{-4}2=0\right)$$

$$2x^{2}-13x-84=0$$
 -168

$$2x^2 + 8x - 21x - 84 = 0$$
 -21 8

$$x = -4 \text{ or } x = \frac{21}{2}$$

$$\frac{1f \times = -4}{(-4)^2 - 6(-4)}$$
16+24

40

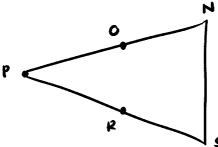
$$41 = 180 - 189/4$$

= 132.75

Pg .97

#5 O is the midpt of NP
R is the midpt of SP
NP = SP

Conclusion: SR = NO



Statements

- 1. 0 is the midpt. of NP
- 2. R is the midpt of SP
- 3 NP = SP
- 4. SR = NO

- Reasons
- 1. Given
- 2 Given
- 3. Given
- 4. If 2 segs are = → their like divisions are =

#7 Given * OMP = * RPM

MP bisects * OMR

PM bisects * OPR

M R

Prove. & OMR = &OPR

1. $\angle OMP \cong \angle RPM$ 2. \overrightarrow{MP} bisects $\angle OMR$ 3. \overrightarrow{PM} bisects $\angle OPR$ 1. Given 2. Given 3. Given
3. PM bisects \$ OPR 4. If 2 & 15 are ≅ → their like multiples are ≅ multiples are ≅

#12 Given. & A is comp. to & ADB
& C is comp. to & CDB

\overline{\text{DB}} \text{ bisects } & ADC

Conc: AAEAC

