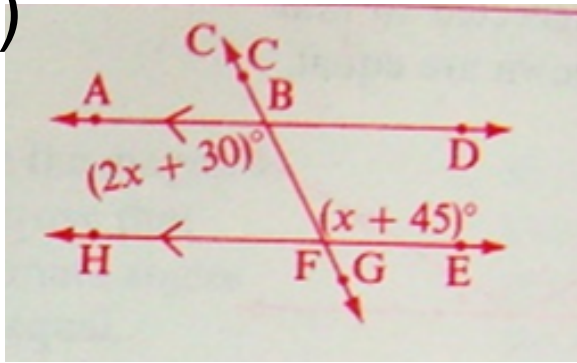


GMF 10 Oct. 29th...

- get out your notes on Angle Properties.
- copy down 4 algebraic examples since we focused on basic examples on Friday.
- then, complete a worksheet that has both.

4 ALGEBRAIC EXAMPLES...

1)



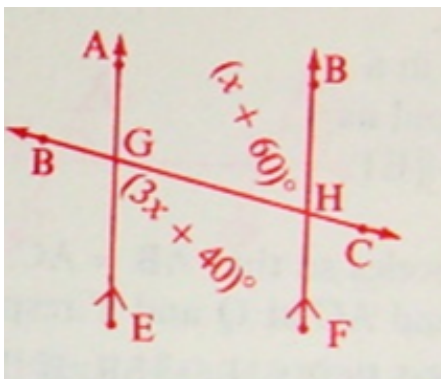
* See "Z" pattern...AIA

$$2x + 30 = x + 45$$

$$2x - x = 45 - 30$$

$$x = 15 \text{ so angle is } 60^\circ$$

2)



* See 'Z' pattern again

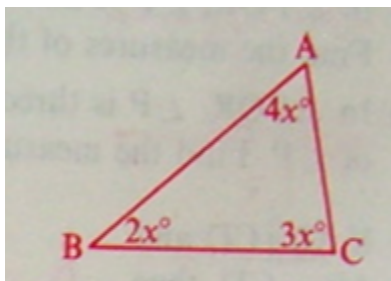
$$3x + 40 = x + 60$$

$$2x = 20$$

$$x = 10^\circ \text{ so angle is } 70$$

SATT...all angles to 180°

3)



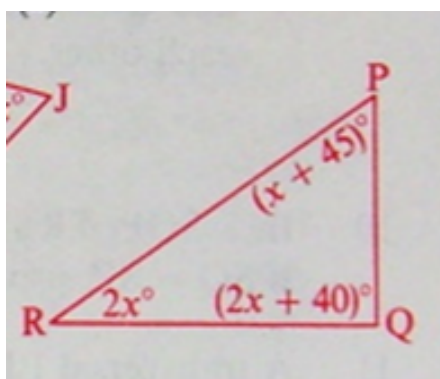
$$2x + 3x + 4x = 180$$

$$9x = 180$$

$$x = 20$$

so angles are 40, 60, 80

4)



SATT again...

$$x + 45 + 2x + 40 + 2x = 180$$

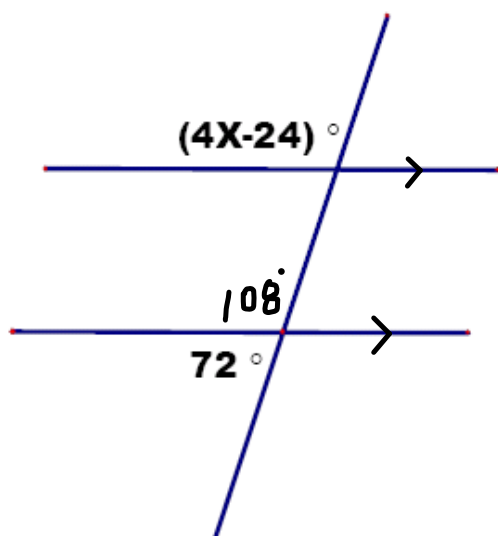
$$5x + 85 = 180$$

$$5x = 180 - 85$$

$$5x = 95$$

$x = 19$ so angles are 38, 64, 78

YOUR TURN...



$$4x - 24 = 108$$

$$4x = 108 + 24$$

$$4x = 132$$

$$x = \underline{33^\circ}$$

PRACTICE TIME...

 Worksheet - Parallel Lines and Transversals.pdf

 **Worksheet Solutions - Parallel Lines and Transversals.pdf**

HOMEWORK...

- 1) Finish the worksheet
- 2) In-class Assignment Tomorrow

Attachments

[Worksheet - Parallel Lines and Transversals.pdf](#)

[Worksheet Solutions - Parallel Lines and Transversals.pdf](#)