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Class: 8th G

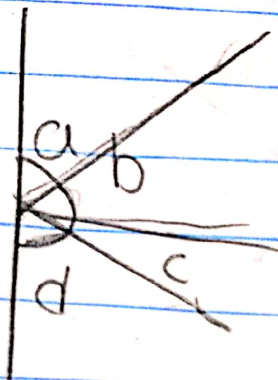
Maths

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Angles Geometry

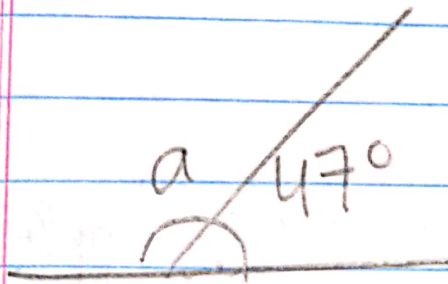
Assignment

Q.2 In the diagram, which of the following pairs of angles are NOT adjacent?



c. b and d

Q.2 What is the value of angle x ?

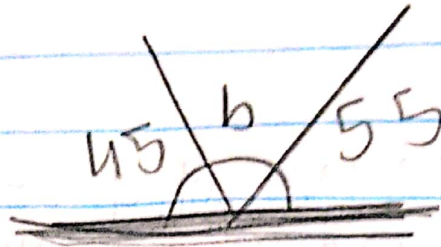


d. 133°

Q.3 x and 70 are linear pair, what is the value of x ? \rightarrow c. 110

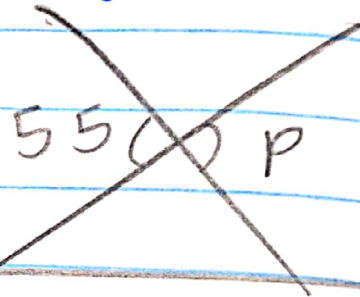
Q.4. What is the value of angle b ?

$$\angle b = 80^\circ$$



Q.5. What is the value of angle p ?

$$\angle p = 55^\circ [\because \text{VOA}]$$



Q.6. If x° and y° are a pair of complementary angles, then;

$$x^\circ + y^\circ = 90^\circ$$

Q.7. If a° and b° are a pair of supplementary angles, then

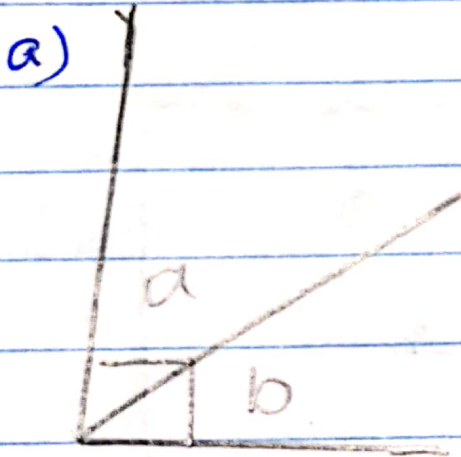
$$a^\circ + b^\circ = 180^\circ$$

Q.8. Two angles are supplementary and one of them is 31° , what is the size of the other angle?

d) 149°

Q.9. If two angles are complementary and one of them is 77° , what is the size of the other angle?
= a) 13°

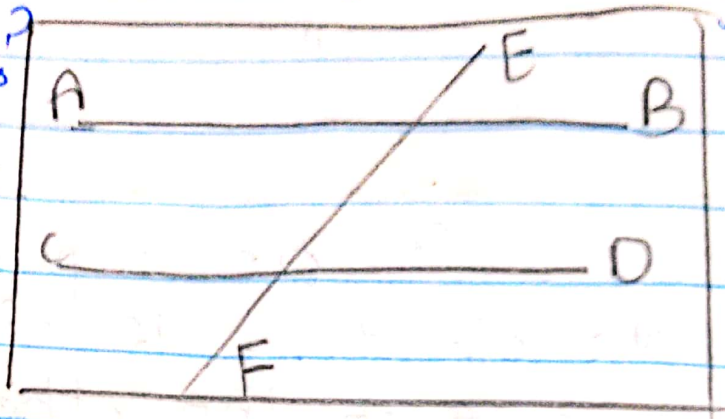
Q.10. Which of the following pairs of angles are complementary?



Practice Time

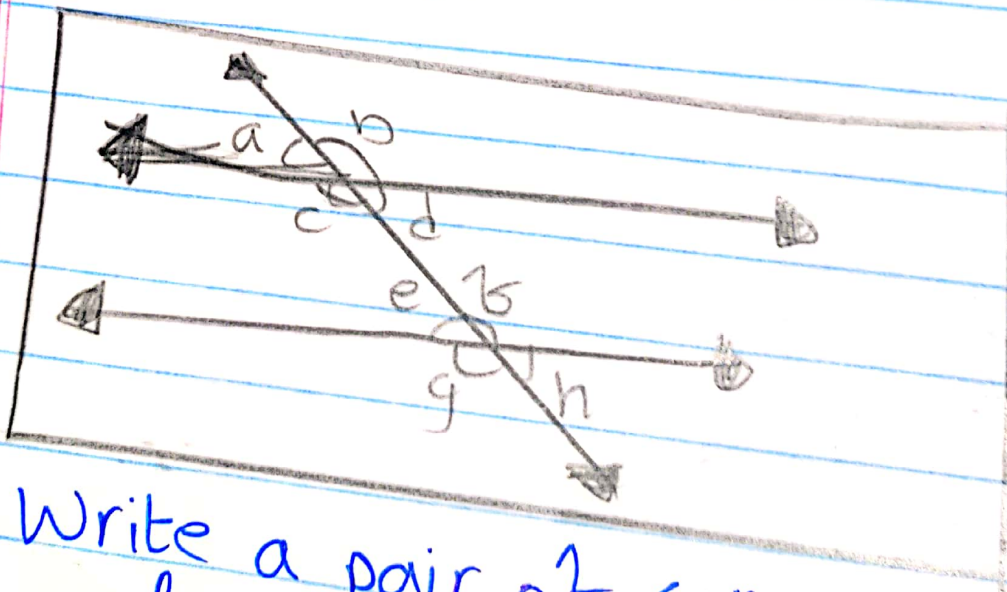
Q.1. Which line is transversal in given figure?

c) EF



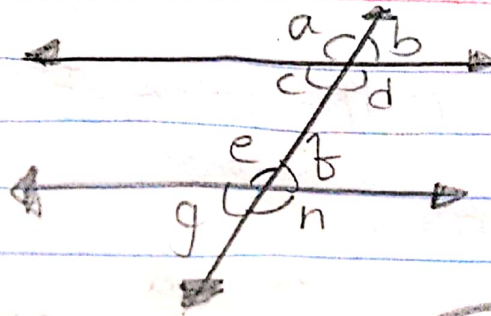
Q.2. Write internal and external angle from given figure.

- a) Internal angle: ~~a, b, g~~ c, d, e, f
b) External angle: a, b, g, h



Q.3. Write a pair of corresponding angles.

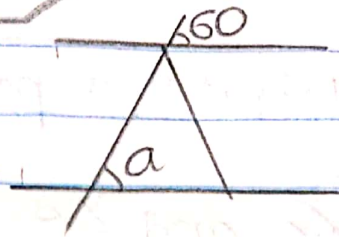
- a) $\angle a$ and $\angle e$
- b) $\angle c$ and $\angle g$
- c) $\angle d$ and $\angle h$
- d) $\angle f$ and $\angle b$



Q.4. What is the value of a .

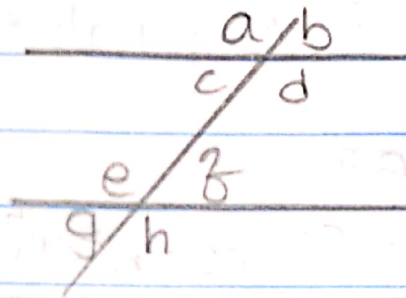
$a = 60^\circ$

Why? \because corresponding angle



Q.5. Write a pair of alternate angle.

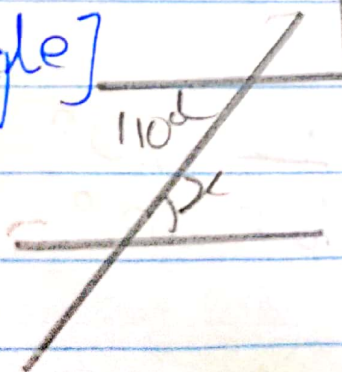
- a) $\angle c$ and $\angle f$
- b) $\angle e$ and $\angle d$



Q.6. What is the value of x .

$x = 110^\circ$

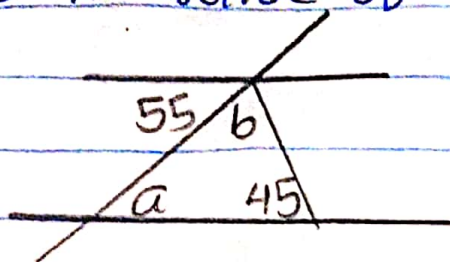
Why? \because alternate angle



Q.7. What is the value of a & b .

$$a = 55$$

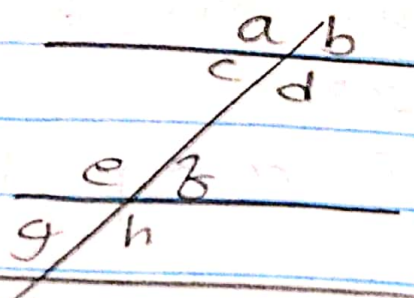
$$b = 80$$



Q.8. Write a pair of co-interior angles.

a.) $\angle c$ and $\angle e$

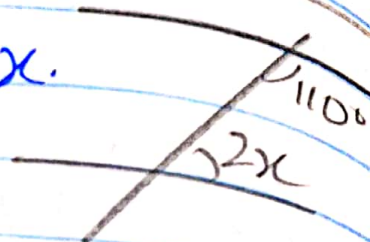
b.) $\angle f$ and $\angle d$



Q.9. What is the value of x .

$$x = 35^\circ$$

Why? = [\because co-interior angle]



Q.10. What is the value of a .

$$a = 120^\circ$$

$$b = 60^\circ$$

