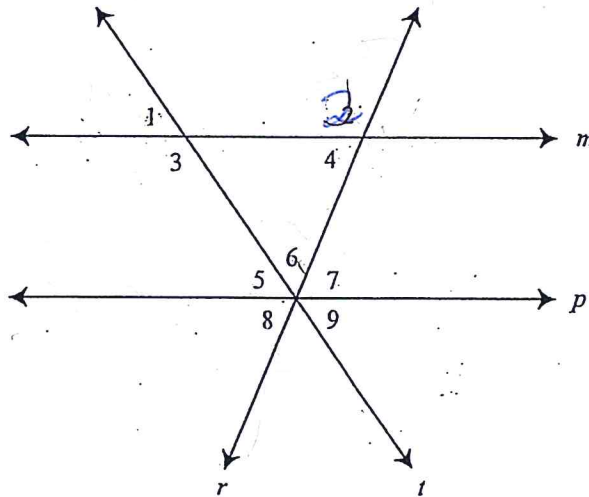


Constructed Response

Line m is parallel to line p . Both lines are cut by the transversals, line r and line t .



*m // p
but r is not
parallel to t.*

In your notebook, answer the following questions. Number your responses. Full sentences.

1) What are two labeled angles that are congruent to $\angle 1$? Explain your answers.

Ignore line r

2) What are two different labeled angles that are supplementary to $\angle 2$? Explain your answers.

Ignore line t

The table below gives measures, in terms of x , for several angles shown in the figure above.

Angle	Measure
1	$(x - 20)^\circ$
2	$(x + 20)^\circ$
3	$(x + 40)^\circ$

3. What is the value of x ? What is the measure of $\angle 6$? Show all of your work and/or explain your answer.