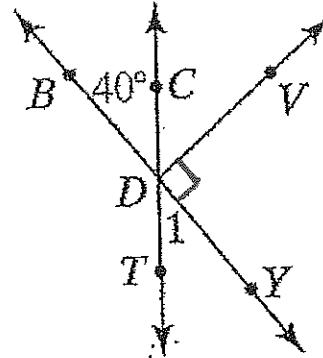
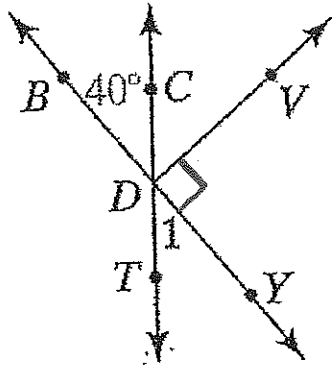


Angle Relationships

Marker Talk

NAME _____

NAME _____



Ishaan's Work

$$\begin{array}{r} \angle CDV \\ 90 + 40 \\ = 130^\circ \end{array}$$

$$\begin{array}{r} \angle BDT \\ 90 - 40 \\ = 50^\circ \end{array}$$

$$\angle VDY$$

$$180 - 40 - 130 = 10^\circ$$

1. $m\angle CDV = 130^\circ$
2. $m\angle BDT = 50^\circ$
3. $m\angle VDY = 10^\circ$

Raysha's Work

$$\begin{array}{r} \angle CDV \\ 90 - 40 \\ = 40^\circ \end{array}$$

$$\begin{array}{r} \angle BDT \\ 180 - 40 \\ = 140^\circ \end{array}$$

$$\angle VDY$$

BDT is vertical to CDV
so $CDV = 140^\circ$ $140 - 40 = 100$

1. $m\angle CDV = 40^\circ$
2. $m\angle BDT = 140^\circ$
3. $m\angle VDY = 100^\circ$

Which answers do the students have correct?

Which ones are incorrect? What would the correct answers be?

Choose a missing angle in the diagram and show two different ways to find the angle measure.