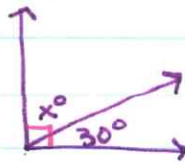


## 12.2 Complementary and Supplementary Angles p.276

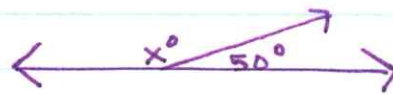
Complementary angles: angles whose sum is  $90^\circ$   
(corner)



$$m\angle x = \underline{60^\circ}$$

↳ measure

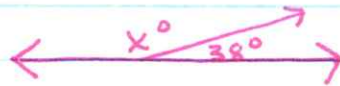
Supplementary angles: angles whose sum is  $180^\circ$   
(straight line)



$$m\angle x = \underline{130^\circ}$$

Find the value of  $x$ . And what type of  $\angle$ 's are they?

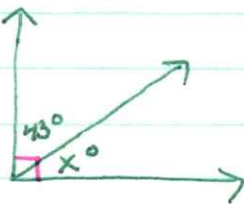
1)



S

$$m\angle x = \underline{142^\circ}$$

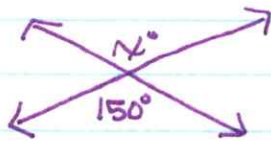
2)



C

$$m\angle x = \underline{47^\circ}$$

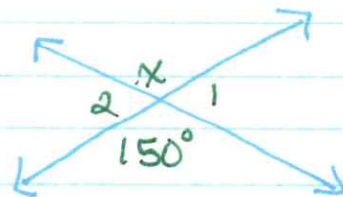
3)



✓

$$m\angle x = \underline{150^\circ}$$

4)

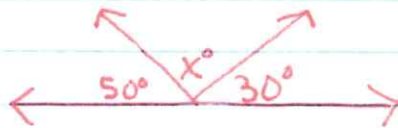


$$m\angle x = \underline{150^\circ}$$

$$m\angle 1 = \underline{30^\circ}$$

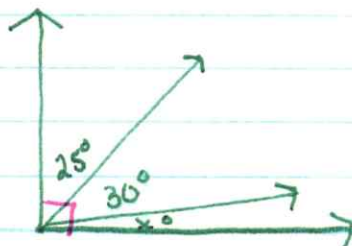
$$m\angle 2 = \underline{30^\circ}$$

5)



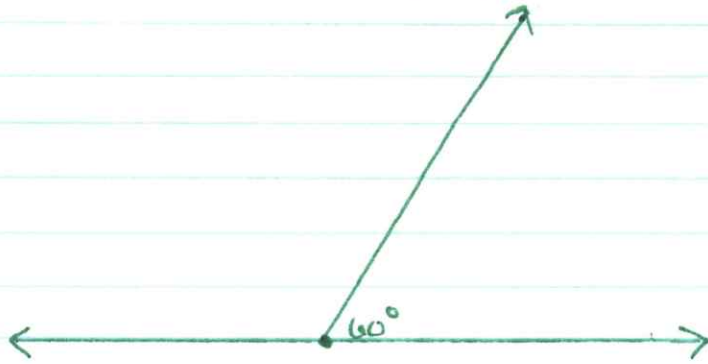
$$m\angle x = \underline{100^\circ}$$

6)

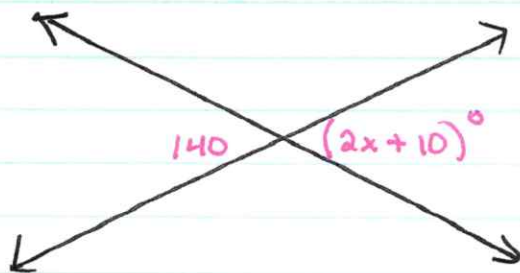


$$m\angle x = \underline{35^\circ}$$

7) Draw a pair of adjacent supplementary angles so that one angle is  $60^\circ$ . LABEL



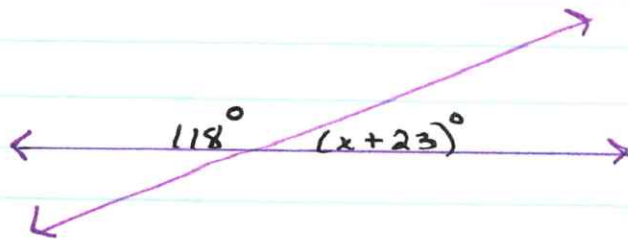
8)



$$x = \underline{65}$$

$$140 = 2x + 10$$

9)

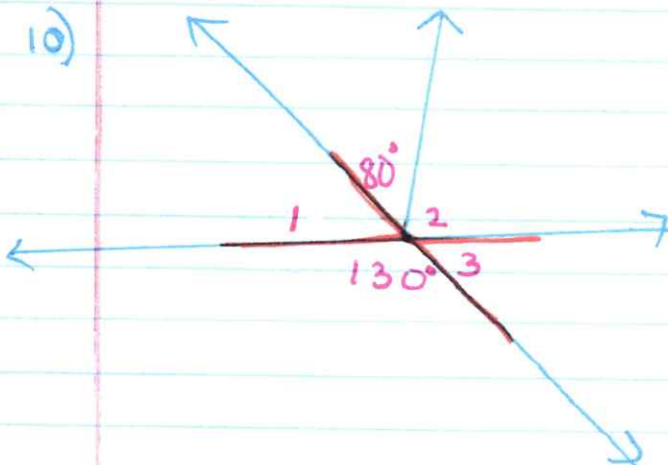


$$x = \underline{39}$$

$$118 + x + 23 = 180$$

$$141 + x = 180$$

10)



$$m\angle 1 = \underline{50^\circ}$$

$$m\angle 2 = \underline{50^\circ}$$

$$m\angle 3 = \underline{50^\circ}$$