

2

4

5



15



20

72, 18

21

67, 23

5

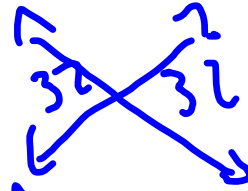
p. 157-152 2, 4, 5, 10, 20, 24, 32, 33
36, 38, 42, 46, 47

32 92.5, 87.5

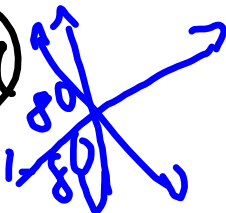
33 90, 90

36 148, 32

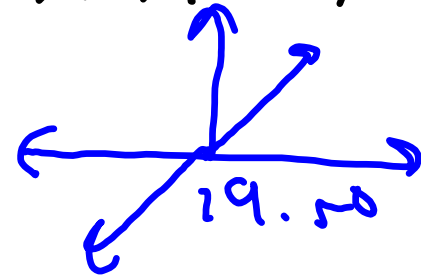
38



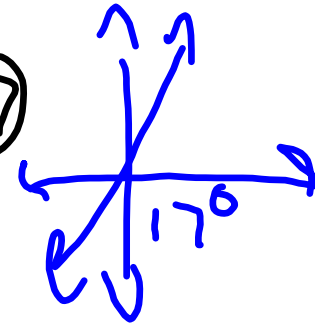
47



46



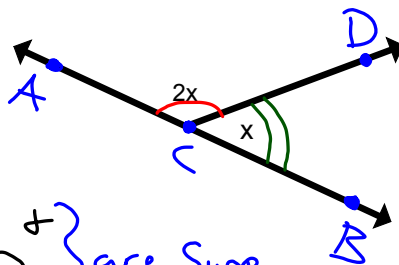
47



Review

Jan. 25, 2007

find x



$\angle ACD + \angle DCB$ } are Supp.
together = 180°

$$m\angle ACD + m\angle DCB = 180^\circ$$

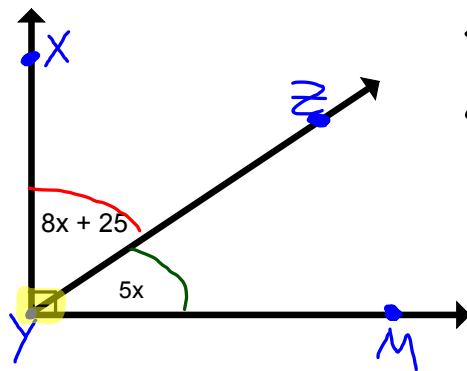
$$\underline{2x} + \underline{x} = 180^\circ$$

$$\underline{\underline{3x}} = \underline{\underline{180^\circ}}$$

$$x = 60^\circ$$

$$m\angle ACD = 2x = 120^\circ$$
$$m\angle DCB = x = 60^\circ$$

find the \angle measurements.



$\angle XYZ$ & $\angle ZYM$ } are
 } comp.
 together = 90°

$$m\angle XYZ + m\angle ZYM = 90^\circ$$

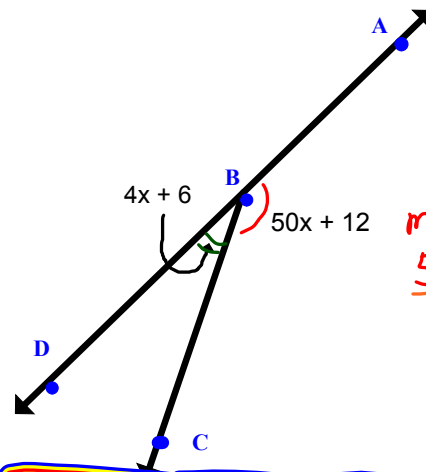
$$\underline{8x + 25} + \underline{5x} = 90^\circ$$

$$13x + 25 = 90$$
$$\underline{-25 \quad -25}$$

$$\underline{13x = 65}$$
$$\underline{13 \quad 13}$$

$$x = 5$$

$$m\angle XYZ = 8x + 25 = 8(5) + 25 = 40 + 25 = 65^\circ$$
$$m\angle ZYM = 5x = 25^\circ$$



$\angle ABC + \angle CBD$
are Supp. together
 $= 180^\circ$

$$m\angle ABC + m\angle CBD = 180^\circ$$

$$\underline{50x + 12} + \underline{4x + 6} = 180$$

$$54x + 18 = 180^\circ$$

$$\underline{-18} \quad \underline{-18}$$

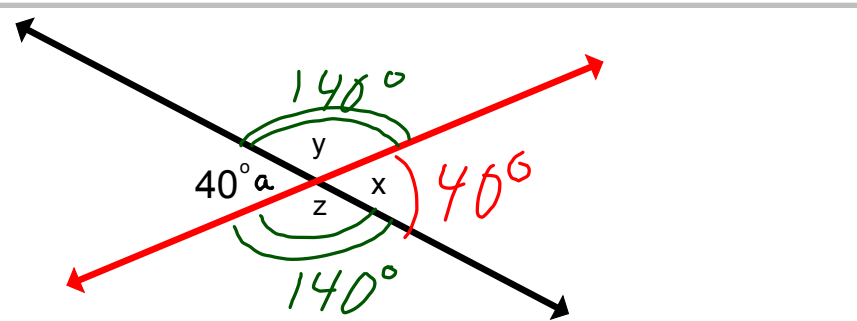
$$54x = 162$$

$$\underline{54} \quad \underline{54}$$

$$x = 3$$

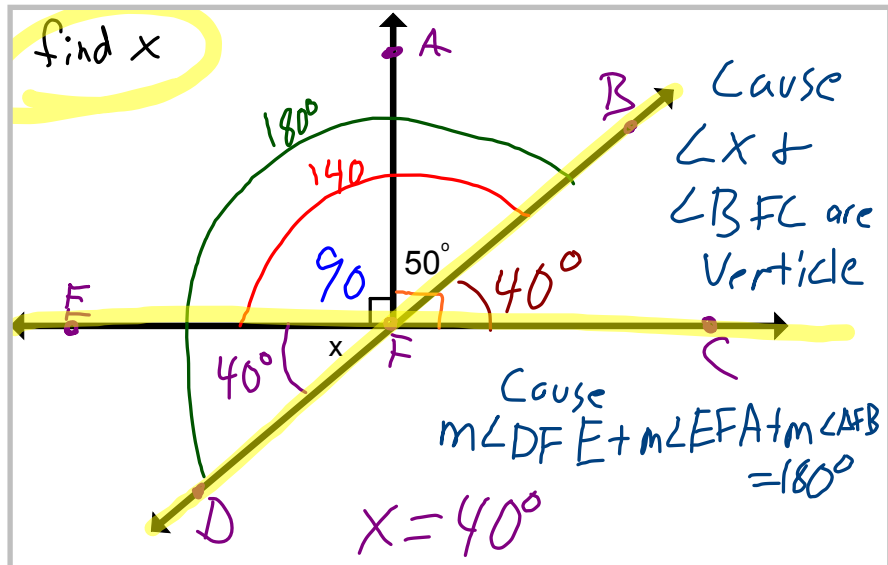
$$m\angle ABC = 50x + 12 = 50(3) + 12 = 150 + 12 = 162$$

$$m\angle CBD = 4x + 6 = 4(3) + 6 = 12 + 6 = 18$$



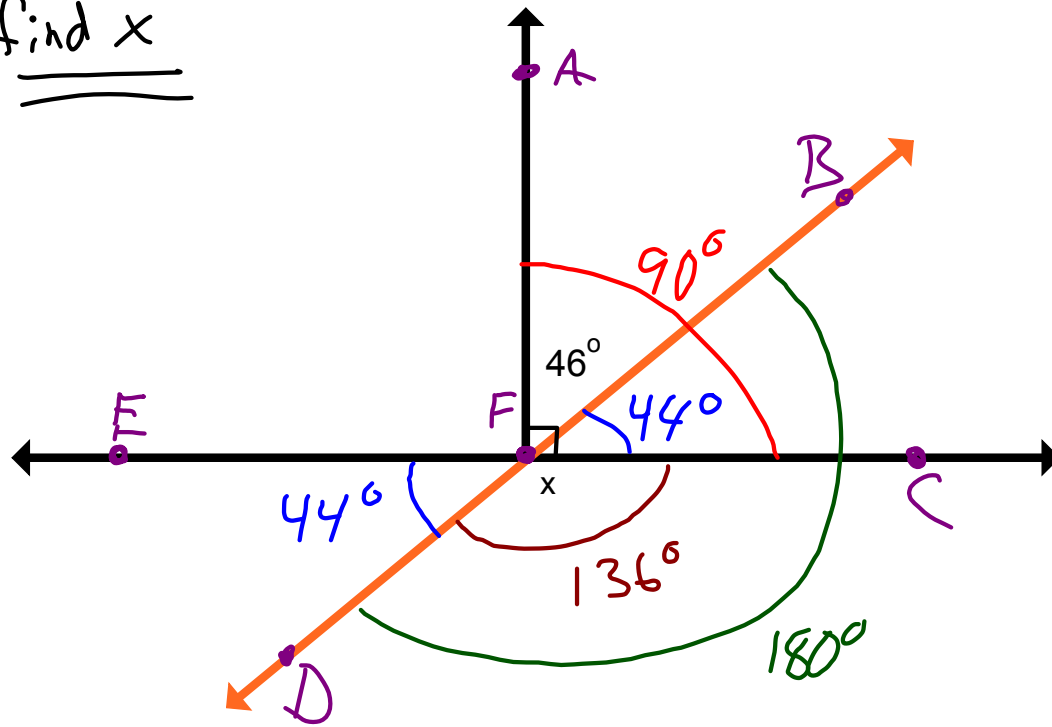
Vertical \angle 's have the same measure

$\angle a$ & $\angle y$ are Sup.



There is More than 1 way to find x. You just have to Prove your Ans.

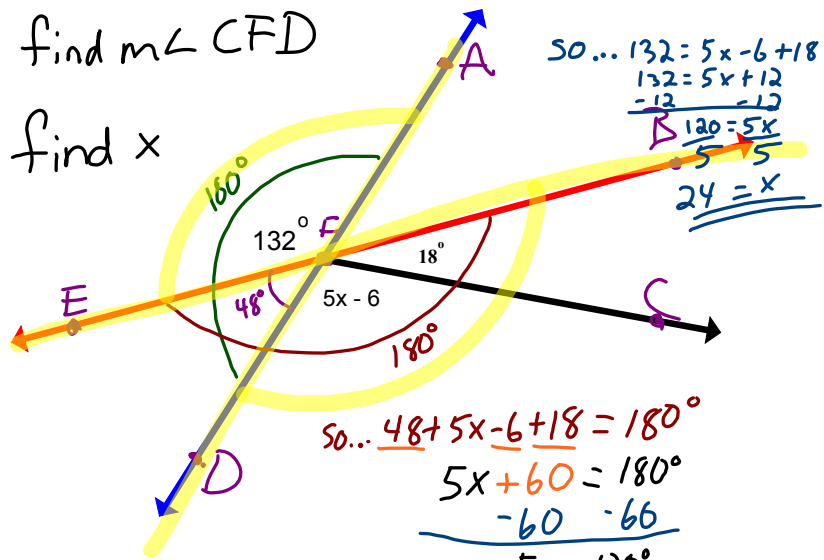
find x



Cause $\angle AFB + \angle BFC$
are Comp.
∴ Cause $\angle BFC + \angle CFD$
are Sup.

find $m\angle CFD$

find x



$$\begin{aligned} \text{So... } 132 &= 5x - 6 + 18 \\ 132 &= 5x + 12 \\ -12 & \quad -12 \\ \hline 120 &= 5x \\ \frac{120}{5} &= \frac{5x}{5} \\ 24 &= x \end{aligned}$$

$$\begin{aligned} \text{So... } 48 + 5x - 6 + 18 &= 180^\circ \\ 5x + 60 &= 180^\circ \\ -60 & \quad -60 \\ \hline 5x &= 120^\circ \\ \frac{5x}{5} &= \frac{120^\circ}{5} \\ x &= 24 \end{aligned}$$

O.T.L.

① Pg 152: 37-48 (all)

- Draw each Picture.

- Solve for "x" only

② Plus... Pt. Wk.st. 5.3
~~from Blue Packet.~~