

②

④

⑤ $\leftarrow \begin{array}{l} 120 \\ \nearrow 60 \end{array} \rightarrow$

⑩ $\begin{array}{l} \nearrow 65 \\ \nearrow 23 \end{array}$

⑳ 72, 18

㉑ 67, 23

⁵ \triangleright 1.57-1.52 2, 4, 5, 10, 20, 24, 32, 33

③ 92.5, 87.5

③ 90, 90

③ 148, 32

③ $\begin{array}{l} \nearrow 30 \\ \nearrow 32 \end{array}$

④ $\begin{array}{l} \nearrow 80 \\ \nearrow 80 \end{array}$

36, 38, 42, 46, 47

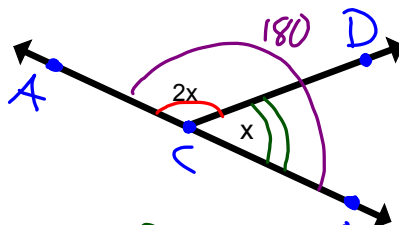
④ $\leftarrow \begin{array}{l} \nearrow \\ \nearrow 19.50 \end{array} \rightarrow$

④ $\begin{array}{l} \nearrow \\ \nearrow 170 \end{array}$

Review

Jan. 25, 2007

find x



$\angle ACD$ &
 $\angle DCB$ are
Sup. together
= 180

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

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

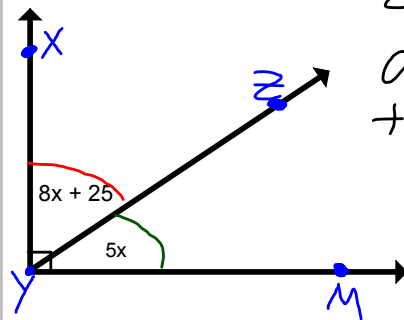
$$\underline{3x} = \underline{180}$$

$$\frac{3x}{3} = \frac{180}{3}$$

$$x = 60$$

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

find the \angle measurements.



$\angle XYZ + \angle ZYM$
are Comp.
together = 90°

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

$$8x + 25 + 5x = 90^\circ$$

$$13x + 25 = 90$$

$$\underline{-25 \quad -25}$$

$$13x = 65$$

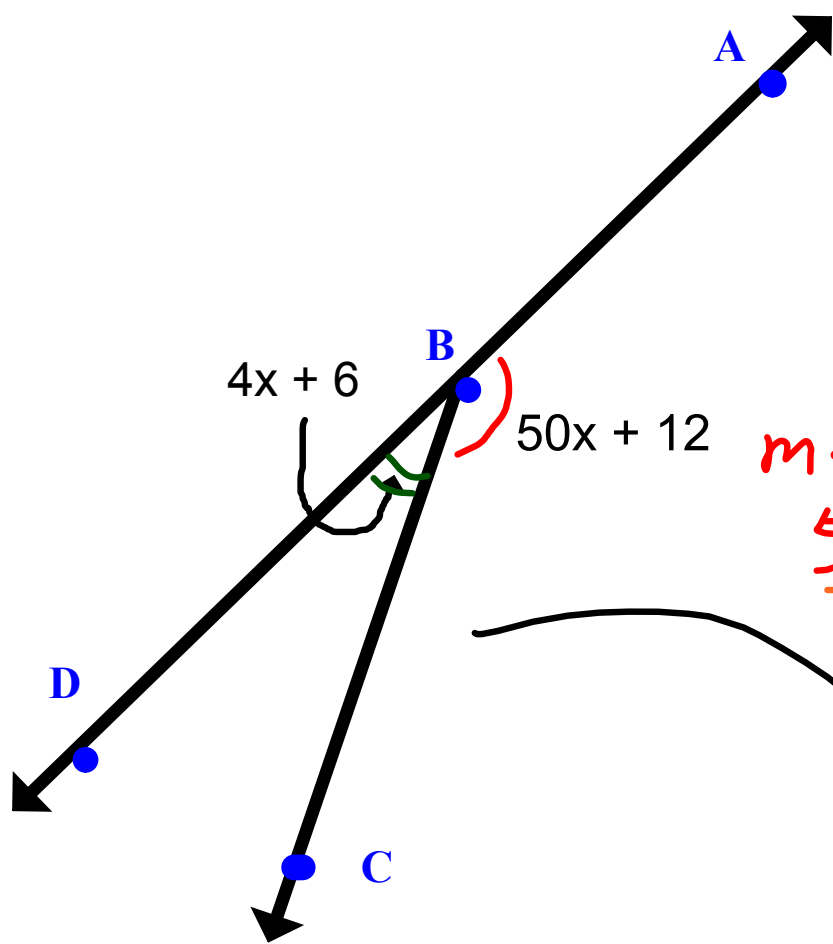
$$\underline{13 \quad 13}$$

$$x = 5$$

$\frac{65}{13}$
5

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

$$m\angle ZYM = 5x = 5(5) = 25^\circ$$



$\angle ABC + \angle CBD$
are Sup. \angle 's
together = 180°

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

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

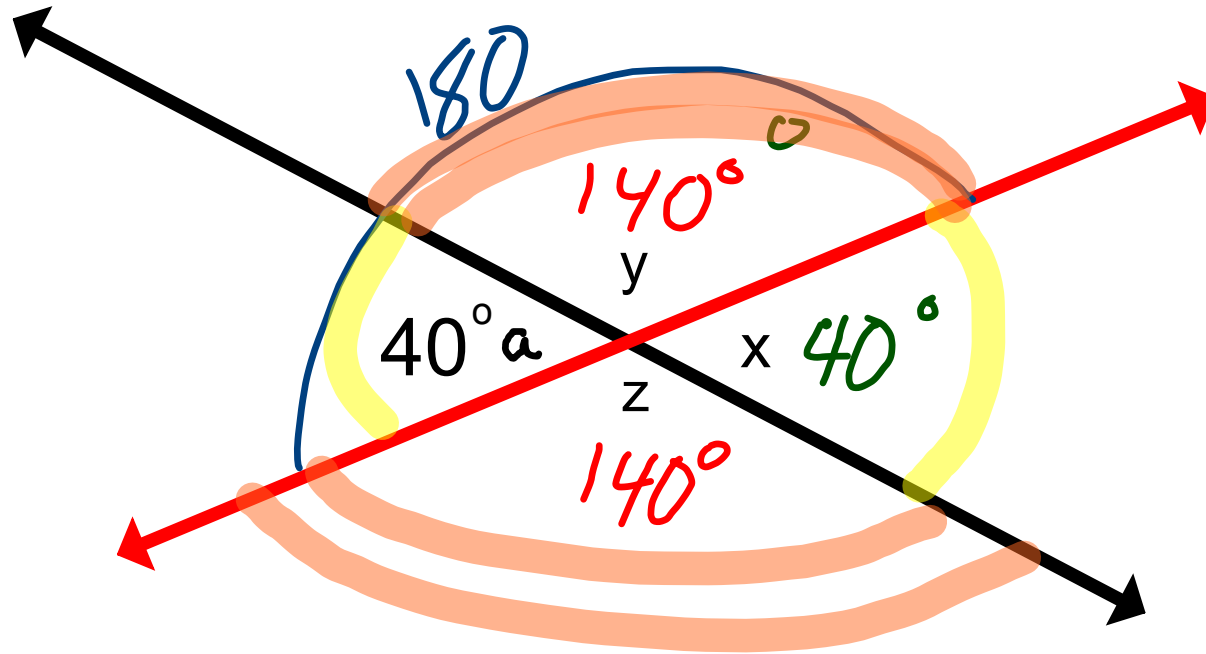
$$54x + 18 = 180$$

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

$$\underline{54x = 162}$$
$$\underline{\quad 54 \quad 54}$$

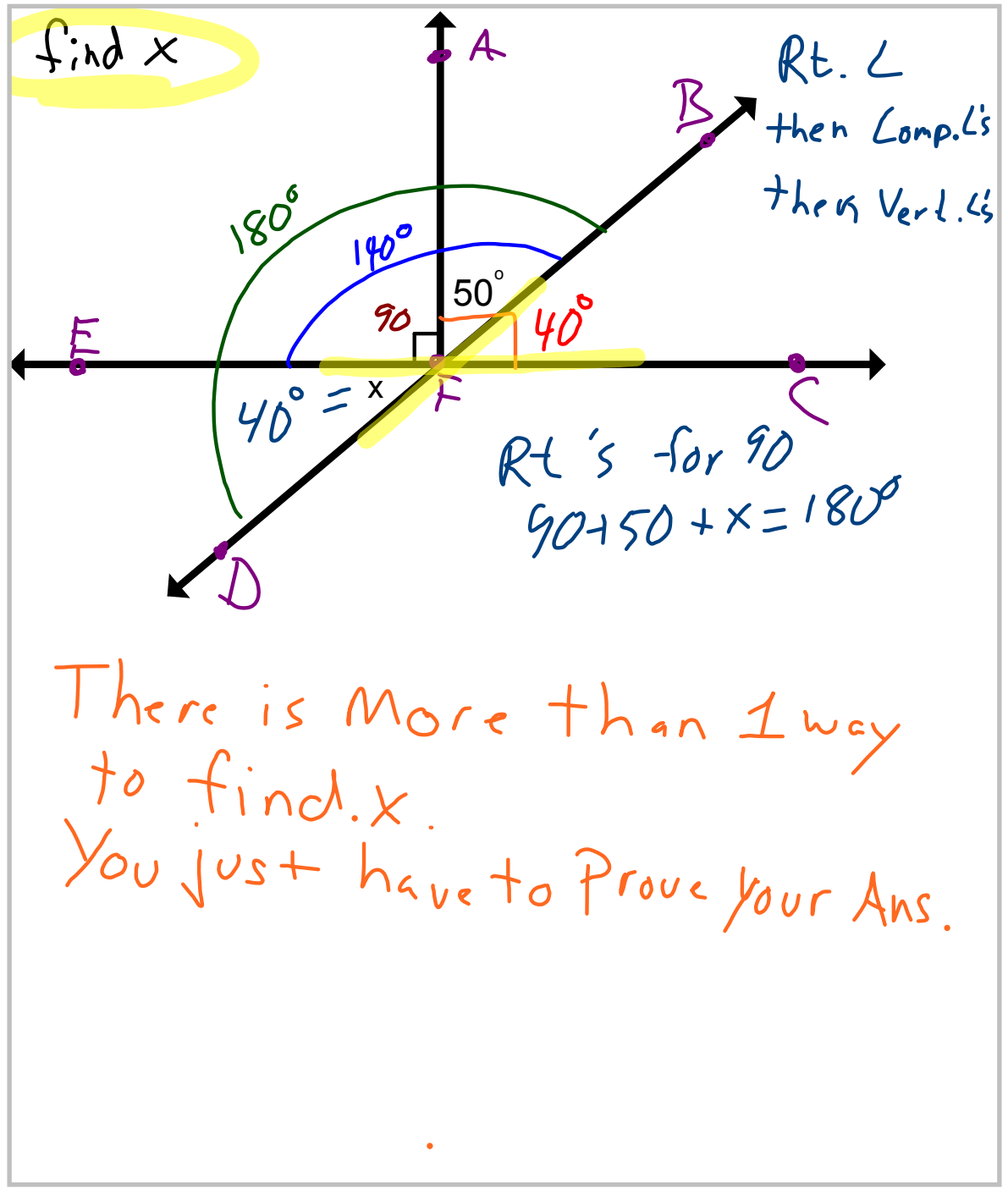
$$x = 3$$

$$m\angle ABC = 50x + 12 = 50(3) + 12 = 150 + 12 = 162^\circ$$
$$m\angle CBD = 4x + 6 = 4(3) + 6 = 12 + 6 = 18^\circ$$



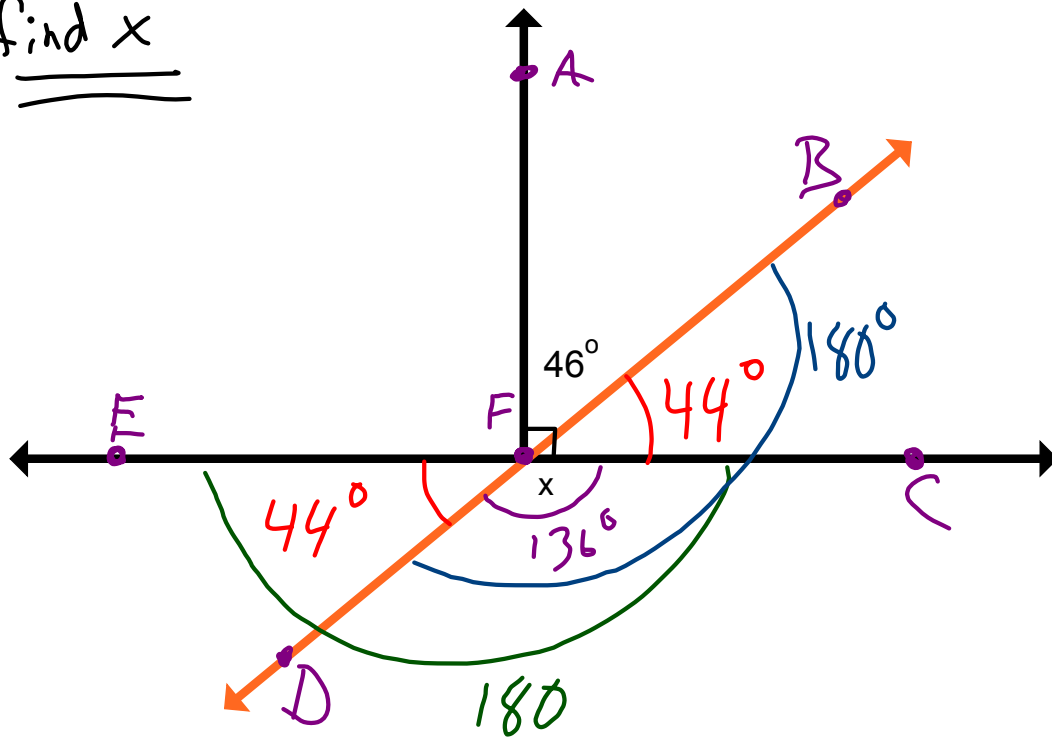
Vertical \angle 's have the same measure

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



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

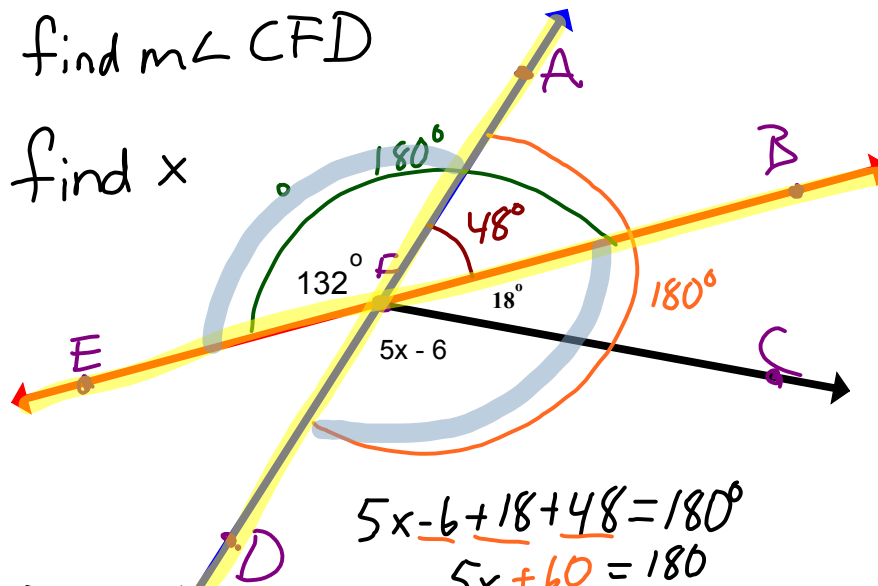
find x



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

find $m\angle CFD$

find x



$$132 = 5x - 6 + 18$$

$$\begin{array}{r} 132 = 5x + 12 \\ -12 \quad -12 \\ \hline \end{array}$$

$$\frac{120}{5} = \frac{5x}{5}$$

$$\underline{\underline{24 = x}}$$

$$5x - 6 + 18 + 48 = 180^\circ$$

$$\begin{array}{r} 5x + 60 = 180 \\ -60 \quad -60 \\ \hline \end{array}$$

$$\frac{5x}{5} = \frac{120}{5}$$

$$\underline{\underline{x = 24}}$$

O.T.L.

① Pg 152: 37-48 (all)

- Draw each Picture.

- Solve for "x" only

② Plus ... Pt. Wkst. 5.3

~~from Blue Packet.~~