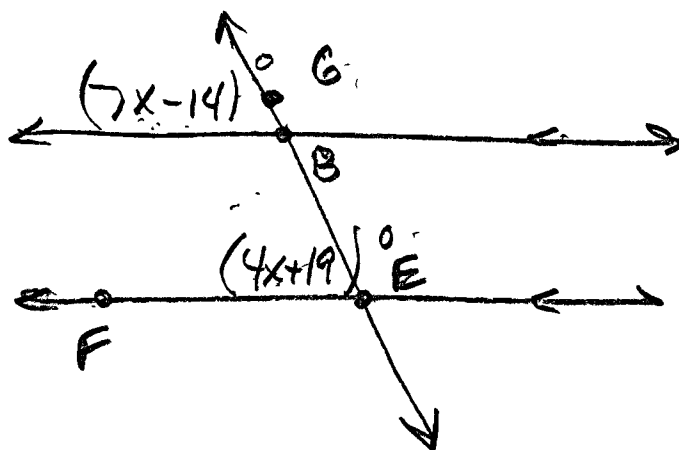


Geometry 1

Weds. 9-5-12

CLASS NOTES

(2)



$m\angle BEF = ?$

$$7x - 14 = 4x + 19$$

$-4x$

$-4x$

$$\begin{array}{rcl} \downarrow & & \\ 3x - 14 & = & 19 \\ +14 & & +14 \end{array}$$

$$\frac{3x}{3}$$

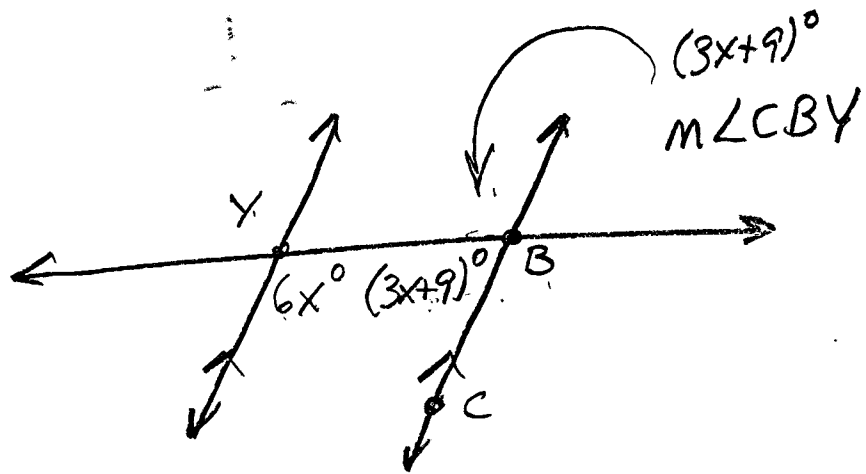
$$= \frac{33}{3}$$

$$x = 11$$

$$\therefore m\angle BEF = 4(11) + 19$$

$$m\angle BEF = 63^\circ$$

④
pg 158



$$(6x) + (3x+9) = 180$$

$$6x + 3x + 9 = 180$$

$$\begin{array}{r} 9x + 9 = 180 \\ -9 \quad -9 \end{array}$$

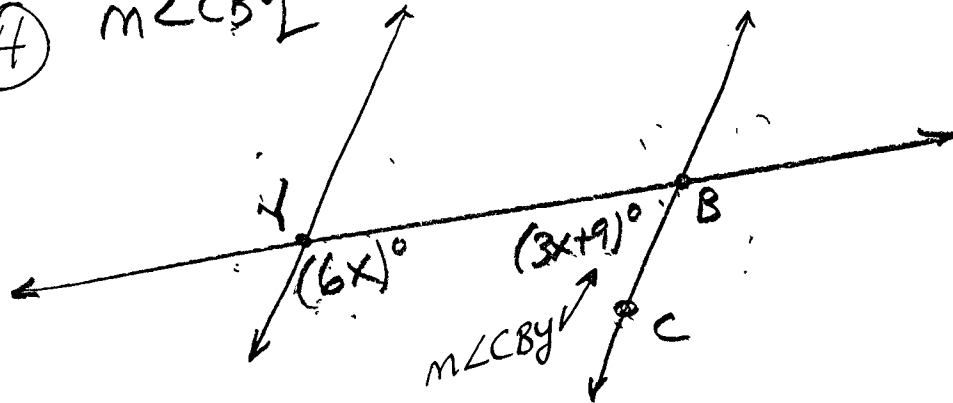
$$\frac{9x}{9} = \frac{171}{9}$$

$$x = 19$$

$$\therefore m\angle CBY = 3(19) + 9$$

$$m\angle CBY = 66^\circ$$

④ $m\angle CBy$



$$6x + 3x + 9 = 180$$

$$\begin{array}{r} 9x + 9 = 180 \\ -9 \quad -9 \end{array}$$

$$\frac{9x}{9} = \frac{171}{9}$$

$$x = 19$$

$$m\angle CBy = 3(19) + 9$$

$$m\angle CBy = 57 + 9$$

$$\boxed{m\angle CBy = 66^\circ}$$

⑫ Pg 159

$$m\angle 1 = 60^\circ = 2x - 3y$$

$$m\angle 2 = 120^\circ = x + 3y$$

ADD THE
TWO
EQUATIONS
"EBA"
Elimination
(of a variable)
By Addition

$$180^\circ = 3x$$

$$60^\circ = x$$

$$\therefore 1.3y = 120 - 60 = 60$$

$$y = 20$$

$$\therefore m\angle 1 = 2(60) - 3(20) = 60^\circ \checkmark$$

$$m\angle 2 = 60 + 3(20) = 120 -$$