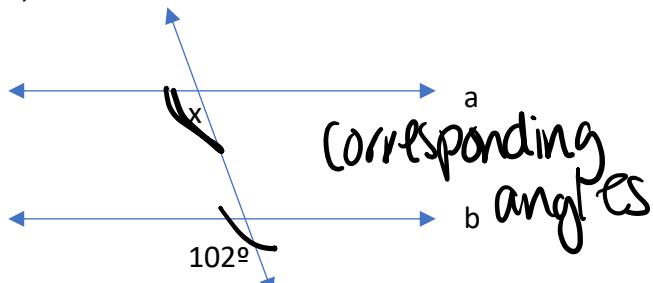


PROVING LINES ARE PARALLEL

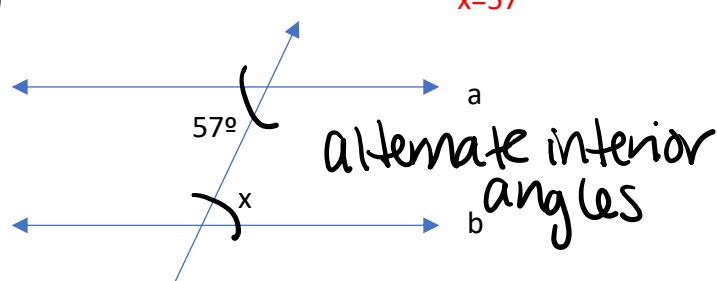
Find the value of x so that $a \parallel b$.

1)



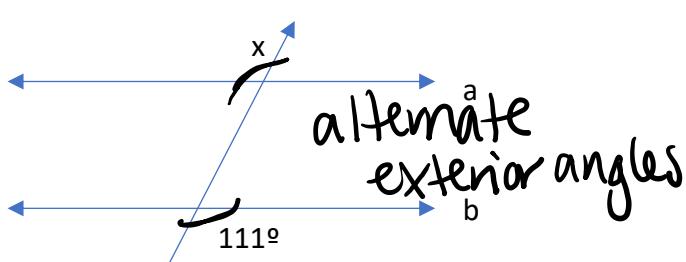
$$x = 102$$

2)



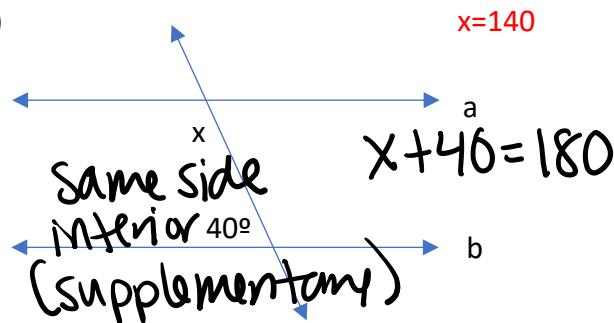
$$x = 57$$

3)



$$x = 111$$

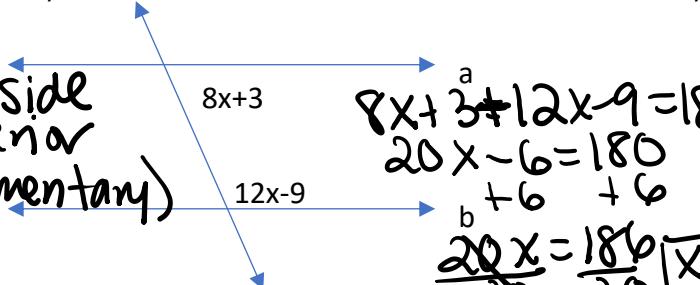
4)



$$x = 140$$

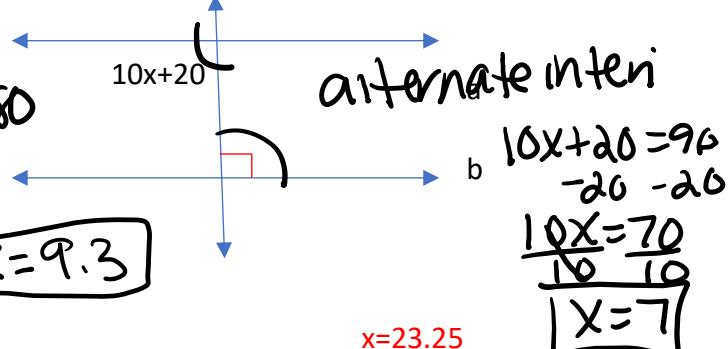
$$x + 40 = 180$$

5)



$$x = 9.3$$

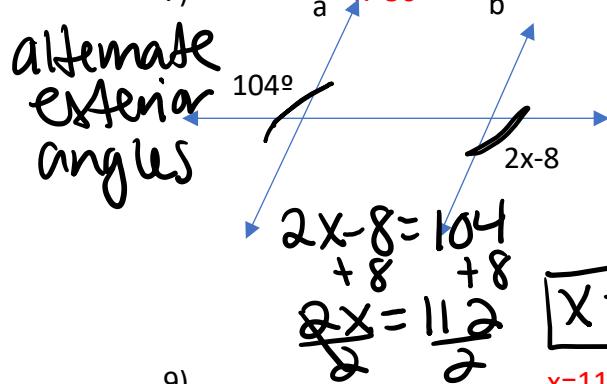
6)



$$x = 7$$

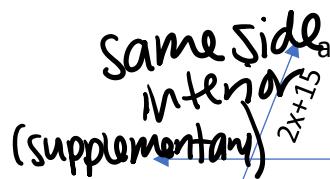
$$\begin{aligned} 8x+3+12x-9 &= 180 \\ 20x-6 &= 180 \\ 20x &= 186 \\ x &= 9.3 \end{aligned}$$

7)



$$x = 56$$

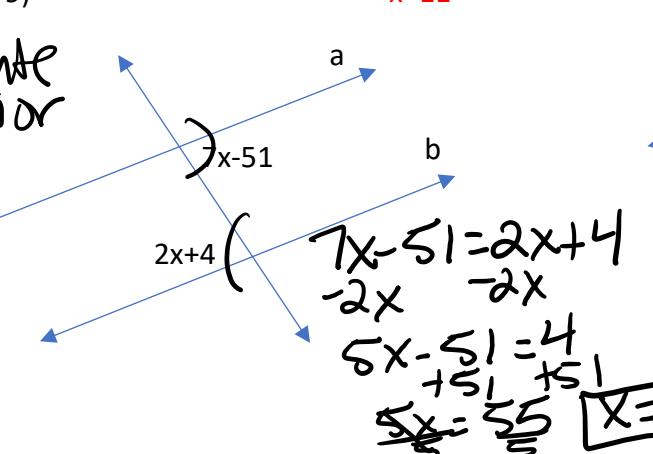
8)



$$x = 23.25$$

$$x = 11$$

9)



$$x = 11$$

$$7x-51 = 2x+4$$

$$-2x \quad -2x$$

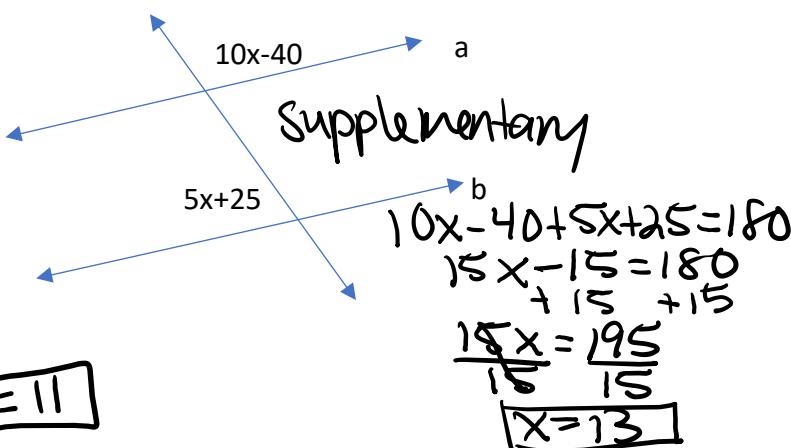
$$5x-51 = 4$$

$$+51 \quad +51$$

$$5x = 55$$

$$\frac{5x}{5} = \frac{55}{5}$$

10)



$$x = 13$$

$$10x-40+5x+25 = 180$$

$$15x-15 = 180$$

$$+15 \quad +15$$

$$15x = 195$$

$$\frac{15x}{15} = \frac{195}{15}$$

$$x = 13$$