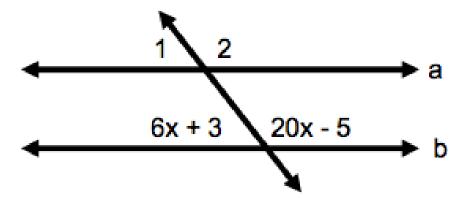
## Chapter 13-1 to 13-4 Review Problems

1) Two times the supplement of an angle less five times its complement is 110°. Find the supplement and complement of the angle. Round to the nearest whole degree.

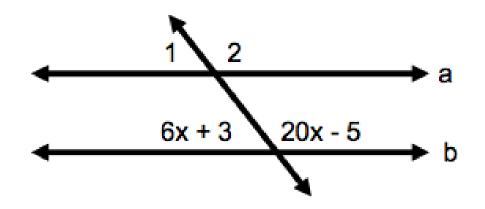
## Chapter 13-1 to 13-4 Review Problems

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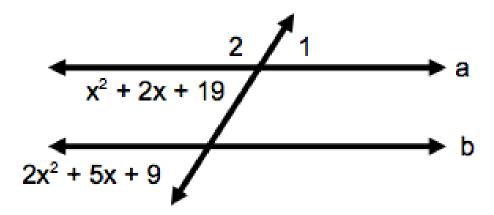
degree. 50pplement of an angle (180-x) 180-67=113° complement of an angle (90-x) 90-67=23° 2(180-x)-5(90-x)=110360-2x-450+5x=110 3x - 90 = 110 3x = 200 x ~ 67°



Supplementary 
$$\angle 5$$
  
 $6x+3+20x-5=180$   
 $26x-2=180$   
 $26x=182$   
 $x=7$ 



Corresponding 
$$\angle s$$
  
 $\angle 1 = 6x + 3 = 6(7) + 3 = 45^{\circ}$   
 $\angle 2 = 20x - 5 = 20(7) - 5 = 135^{\circ}$ 

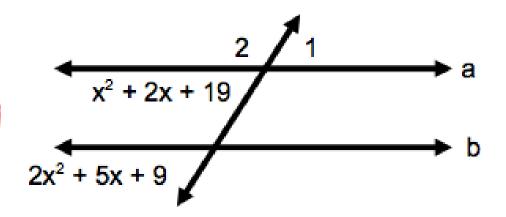


## Corresponding Ls

$$2x^{2}+5x+9=x^{2}+2x+19$$

$$x^{2} + 3x - 10 = 0$$

$$(x+5)(x-2)=0$$
  
 $x=-5$  or 2  
check both



## Corresponding Ls

$$2x^{2}+5x+9=x^{2}+2x+19$$

$$x^{2} + 3x - 10 = 0$$

$$(x+5)(x-2)=0$$

check both