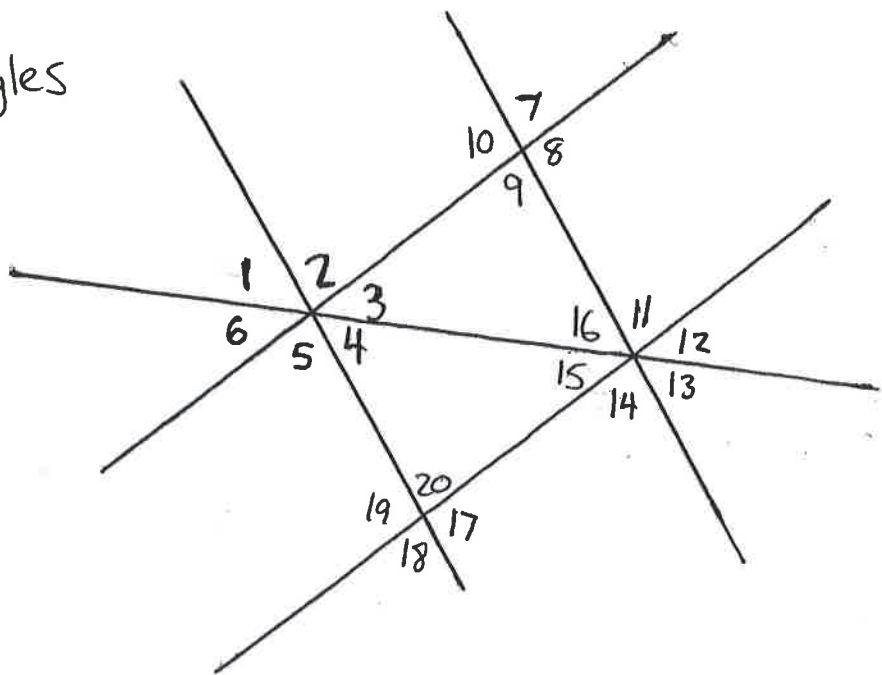


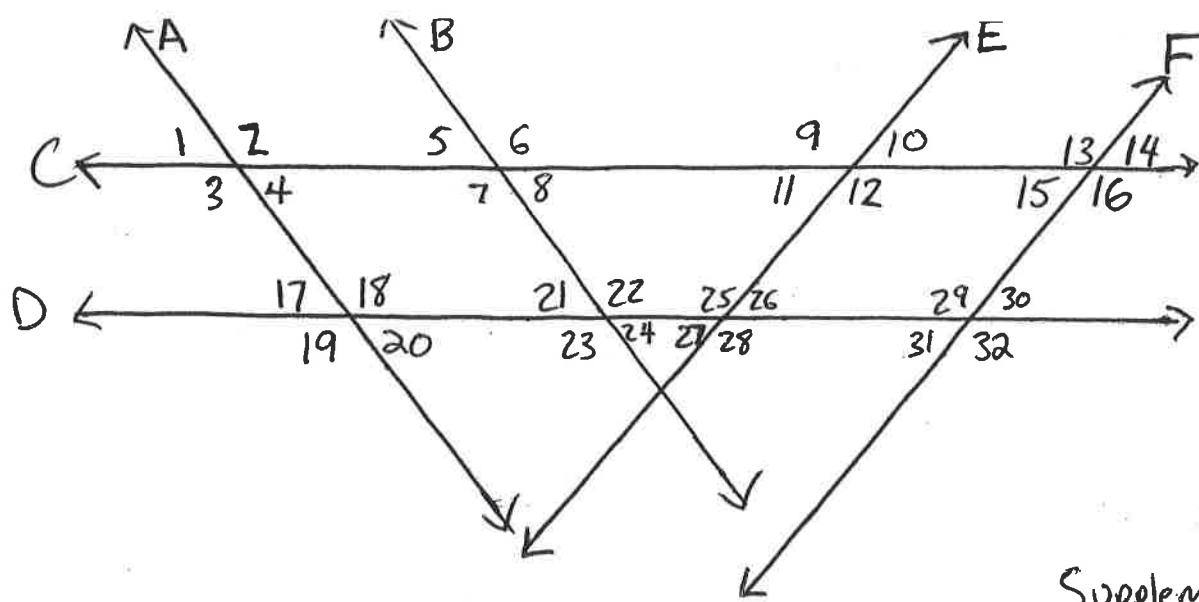
Geo/Trig
Feb. 26 Practice

Name _____

I Classify each pair of angles



1. $\angle 2$ and $\angle 20$
Corresponding \cong
2. $\angle 9$ and $\angle 15 + \angle 16$
Same-Side Interior 180
3. $\angle 2$ and $\angle 5$
Vertical Angles \cong
4. $\angle 7$ and $\angle 8$
Linear Pair 180
5. $\angle 16$ and $\angle 14$
None
6. $\angle 14 + \angle 15$ and $\angle 2 + \angle 3$
Alternate Interior \cong
7. $\angle 5$ and $\angle 7$
Alternate Exterior \cong
8. $\angle 1 + \angle 2$ and $\angle 16 + \angle 11$
Corresponding \cong
9. $\angle 4$ and $\angle 20$
None
10. $\angle 14$ and $\angle 17$
Same Side Interior 180
11. $\angle 17$ and $\angle 8$ None

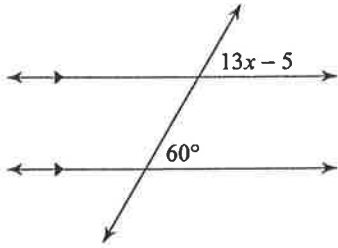


<u>Angles</u>	<u>Parallel lines</u>	<u>Name</u>	<u>Supplementary or Congruent?</u>
1. $\angle 2$ and $\angle 7$	A // B	Alternate Interior	Congruent
2. $\angle 4$ and $\angle 21$	None	None	Not Applicable
3. $\angle 8$ and $\angle 22$	C // D	Same Side Interior	Supplementary
4. $\angle 25$ and $\angle 29$	E // F	Corresponding	Congruent
5. $\angle 9$ and $\angle 28$	C // D	Alternate Exterior	Congruent
6. $\angle 17$ and $\angle 22$	A // B	Alternate Same-Side Exterior	Supplementary
7. $\angle 11$ and $\angle 26$	C // D	Alternate Interior	Congruent
8. $\angle 23$ and $\angle 28$	None	Same-Side Interior	Supplementary
9. $\angle 20$ and $\angle 23$	A // B	Linear Pair	Supplementary
10. $\angle 1$ and $\angle 2$	None		
11. $\angle 29$ and $\angle 9$	None		
12. $\angle 30$ and $\angle 31$	None	Vertical Angles	Congruent

Solve for x .

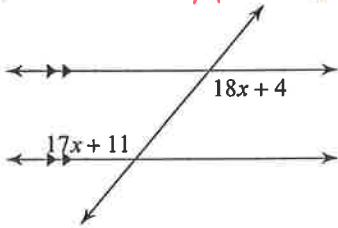
$$x = 5$$

1)



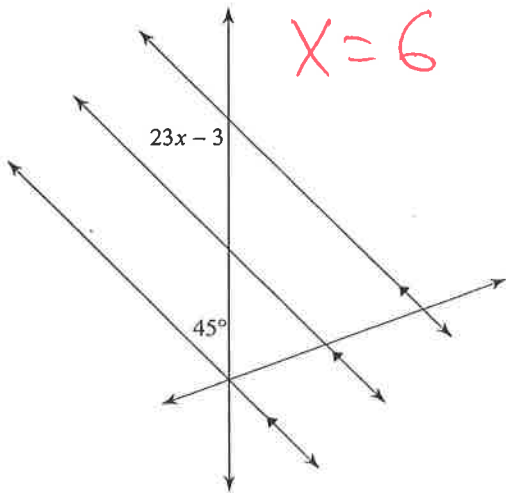
3)

$$x = 7$$



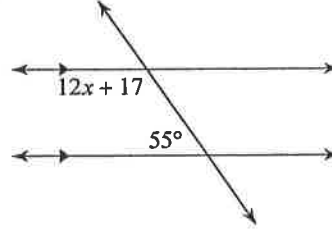
5)

$$x = 6$$



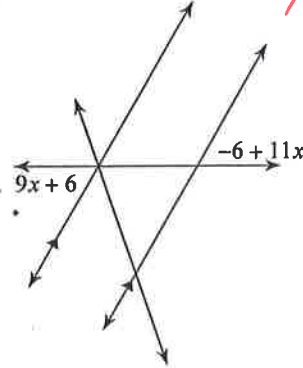
2)

$$x = 9$$



4)

$$x = 6$$



6)

$$x = -7$$

