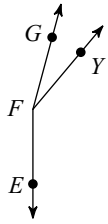
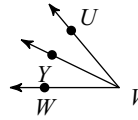


Unit 1 Review (1.1 - 1.5)

- 1) Find $m\angle YFE$ if $m\angle GFE = 165^\circ$ and $m\angle GFY = 25^\circ$.

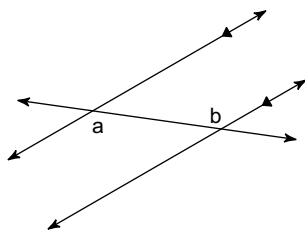


- 2) $m\angle WVU = 50^\circ$, $m\angle WVY = x + 35$, and $m\angle YVU = x + 33$. Find x .

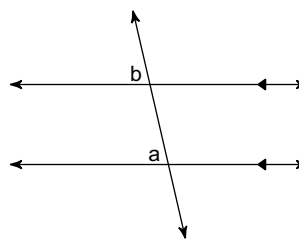


Name the relationship: complementary, linear pair, vertical, alternate interior, corresponding, or alternate exterior.

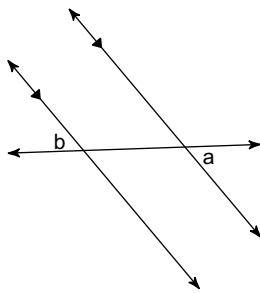
3)



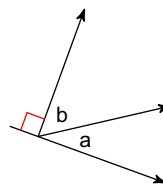
4)



5)

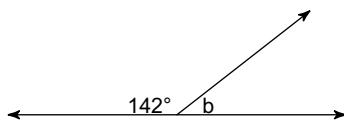


6)

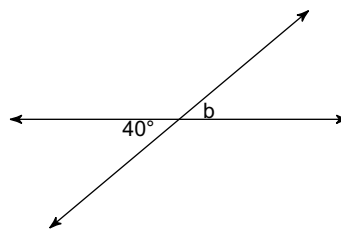


Find the measure of angle b.

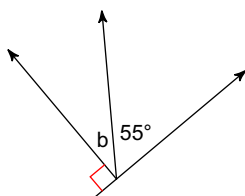
7)



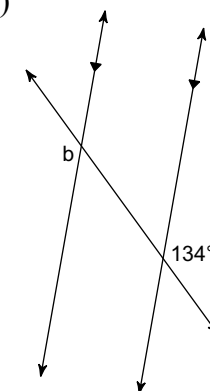
8)



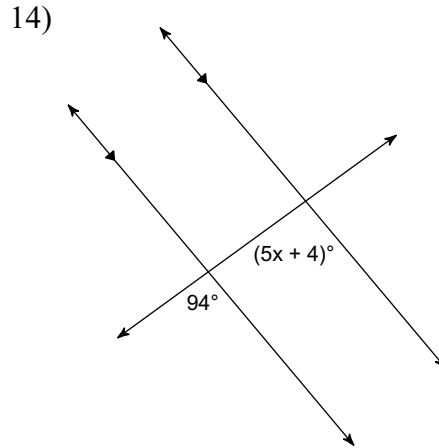
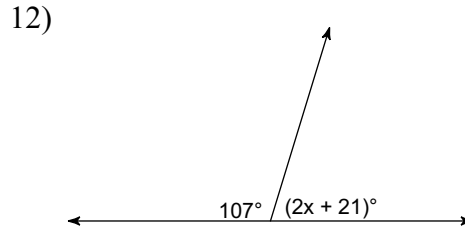
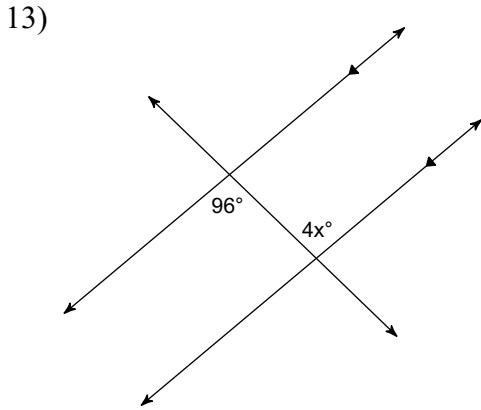
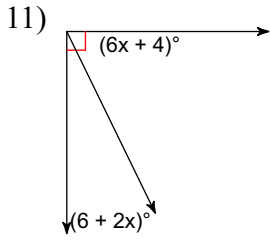
9)



10)



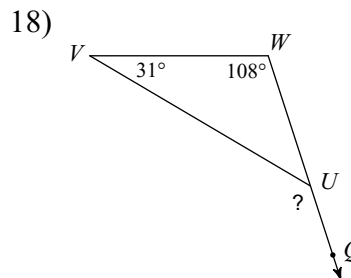
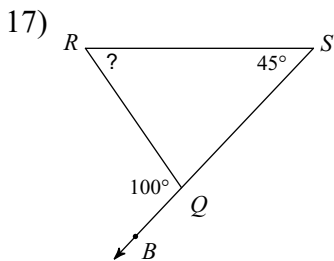
Find the value of x.



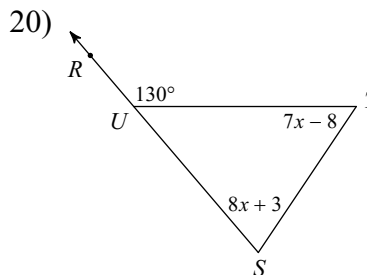
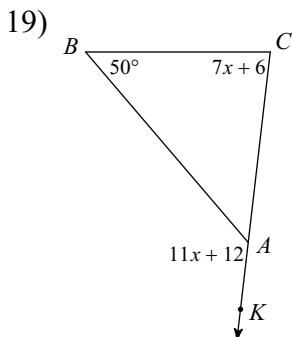
15) One of two supplementary angles is 68° greater than its supplement. Find the measure of both angles.

16) $\angle 1$ and $\angle 2$ are complementary angles. Solve for x and the measure of both angles.
 $\angle 1 = 2x - 16$
 $\angle 2 = 5x + 1$

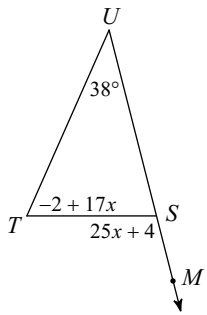
Find the measure of each angle indicated.



Solve for x.

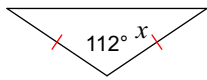


21)

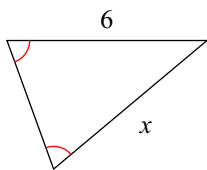


Find the value of x .

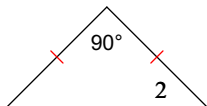
23)



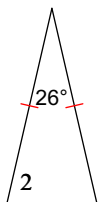
25)



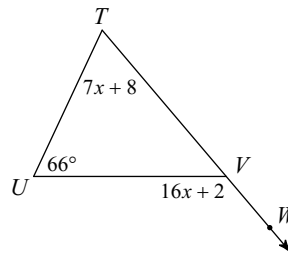
27) $m\angle 2 = x + 51$



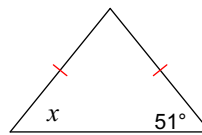
29) $m\angle 2 = 12x - 7$



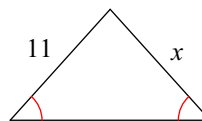
22)



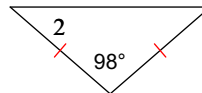
24)



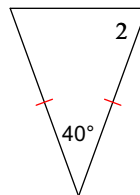
26)



28) $m\angle 2 = 3x + 8$



30) $m\angle 2 = 10x$



Answers to Unit 1 Review (1.1 - 1.5) (ID: 1)

- | | | | |
|-----------------------|------------------|-----------------------|------------------|
| 1) 140° | 2) -9 | 3) alternate interior | 4) corresponding |
| 5) alternate exterior | 6) complementary | 7) 38° | 8) 40° |
| 9) 35° | 10) 134° | 11) 10 | 12) 26 |
| 13) 24 | 14) 18 | 15) | 16) |
| 17) 55° | 18) 139° | 19) 11 | 20) 9 |
| 21) 4 | 22) 8 | 23) 34° | 24) 51° |
| 25) 6 | 26) 11 | 27) -6 | 28) 11 |
| 29) 7 | 30) 7 | | |