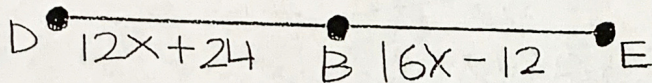


1) Match each to its best description (adjacent, complementary, supplementary, vertical, or linear pair)

- a) Two angles that total 90 degrees
b) Two angles with the same measures
c) Angles that share a vertex and side
d) Two angles that total 180 degrees
e) Two adjacent angles that total 180 degrees

2) If B is the midpoint of DE, then find x.



3) Find x given

AB = x + 2
BC = 20
AC = 2x - 6

FOR 4-5. FIND EACH GIVEN $XY = 8$, $XW = WY$, and $XY = YZ$

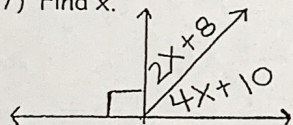
4) $XW =$ _____

5) $XZ =$ _____

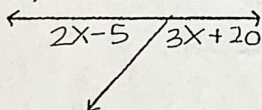


6) Find the midpoint of (5, 8) and (7, -4)

7) Find x.



8) Find x.



9) $\angle A$ and $\angle B$ are supplementary. $\angle A = 5x - 10$,
 $\angle B = 8x - 5$. Find x

10) Find the total distance traveled from Desoto Central to Walmart. The coordinates of DCHS is (0, 0). You then move to the intersection of Goodman and Getwell which is (2, 0). From there, you proceed down Goodman to Walmart which is (66, -6). What is the total distance?

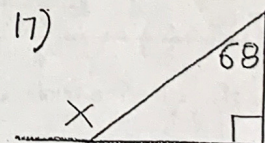
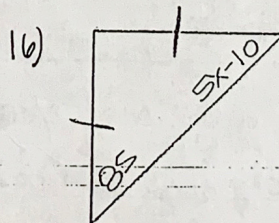
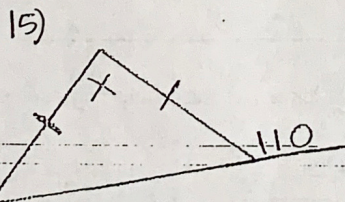
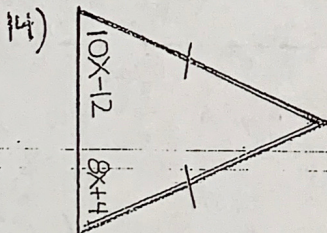
11) Write in IF-Then form. A triangle contains exactly 3 angles.

12) Identify each underlined portion as the hypothesis or conclusion.

- a) If today is Friday, then tomorrow is Saturday.
b) I'll go to the mall, if it stops raining.
c) If $x = 3$, then $2x + 4 = 10$.

13) Write the converse. If angle A measures 35 degrees, then angle A is acute.

FOR 14-17 SOLVE FOR X.

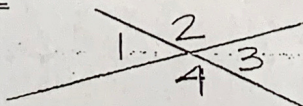


no # 18 :))

FOR 19-20, USE THE DIAGRAM TO FIND THE ANGLE

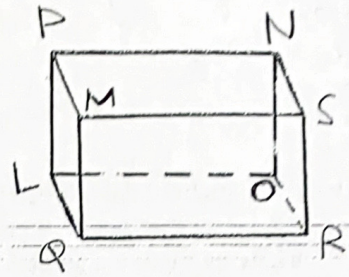
19) If $\angle 1 = 26$, find $\angle 3$

20) If $\angle 2 = 75$, find $\angle 3$



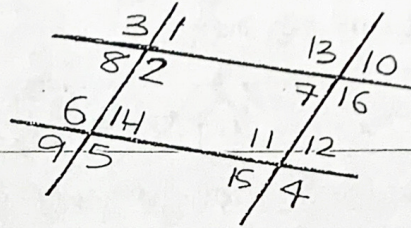
21) Use the figure to answer the questions.

- Name a line parallel to PN that contains L.
- Name a line perpendicular to PN that contains L.
- Name a line skew to PN that contains L.
- Name a plane parallel to plane PNM.

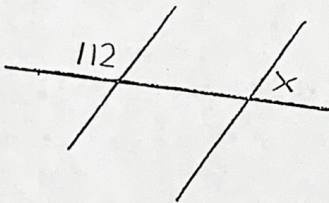


22) Use the figure to fill in with corresponding, alternate interior, alternate exterior, or consecutive interior.

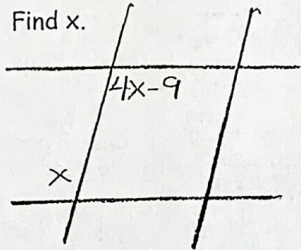
- $\angle 1$ and $\angle 5$ are _____
- $\angle 7$ and $\angle 2$ are _____
- $\angle 6$ and $\angle 2$ are _____
- $\angle 4$ and $\angle 5$ are _____
- $\angle 4$ and $\angle 6$ are _____



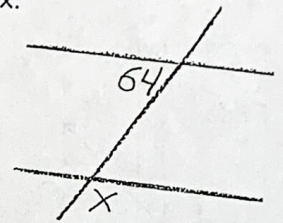
23) Find x.



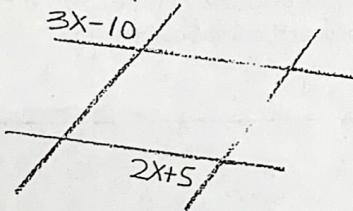
24) Find x.



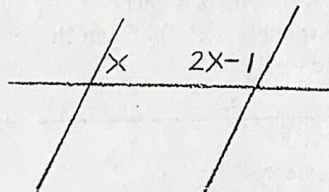
25) Find x.



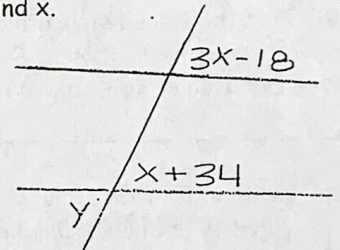
26) Find x.



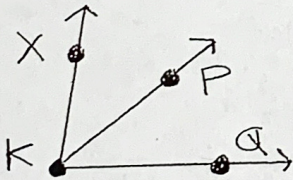
27) Find x.



28) Find x.



29) If $m\angle XKP = 5x + 2$, $m\angle PKQ = 3x + 4$, $m\angle XKQ = 150$, find x.

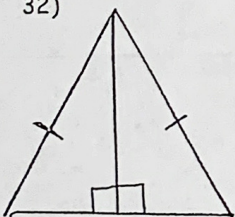


30) The measure of an angle is 2 times the measure of its supplement. Find the 2 angles.

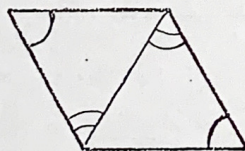
31) Name the triangle congruencies. $\triangle ABC = \triangle RST$. Name the matching angles and sides.

FOR 32-36 TELL IF SSS, SAS, ASA, AAS, HL OR NONE

32)



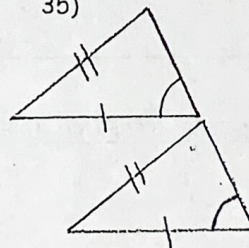
33)



34)



35)



36)

