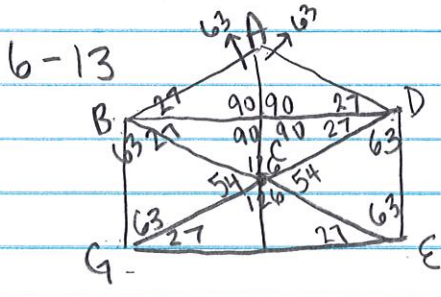


p. 321 #1-27 ALL

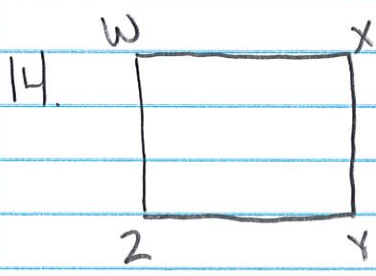
SKIP # 21, 22, 26

1. Always
2. Sometimes
3. Always
4. Sometimes
5. Always

Always, Sometimes  
or Never?



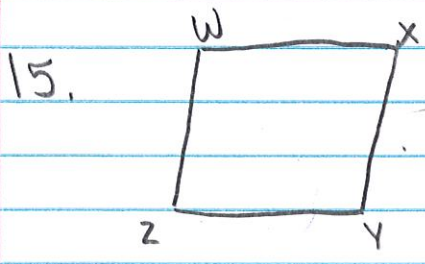
6.  $27^\circ$
7.  $54^\circ$
8.  $126^\circ$
9.  $54^\circ$
10.  $126^\circ$
11.  $90^\circ$
12.  $90^\circ$
13.  $63^\circ$



$$1 - 10x = 14 + 3x \quad 1 - 10(-1) = 11$$

$$-13 = 13x \quad x = -1 \quad 14 + 3(-1) = 11$$

$XY = 11$



$$24(10 - x) = 6(x + 15)$$

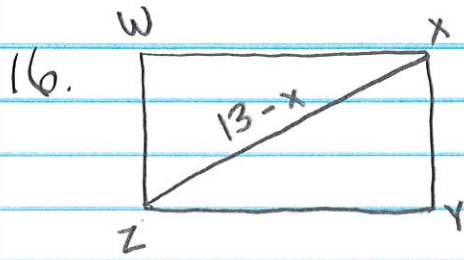
$$240 - 24x = 6x + 90$$

$$30x = 150$$

$$x = 5$$

$$\angle X = 24(10 - 5) = 120^\circ$$

$\angle Y = 60^\circ$



$$5x - 1 + 13 - x = 24$$

$$4x + 12 = 24$$

$$4x = 12$$

$$x = 3$$

$$xz = wy = 13 - 3 = 10$$

17.  $4x + 17 = 8x - 3$

$$4x = 20 \quad \boxed{x = 5}$$

$$7y - 5 + 108 = 180$$

$$7y + 103 = 180$$

$$7y = 77 \quad \boxed{y = 11}$$

Rhombus -  
all sides  $\cong$

18.  $5y + 16 = 10y - 29$

$$5y = 45 \quad \boxed{y = 9}$$

$$6x + 21 = 45$$

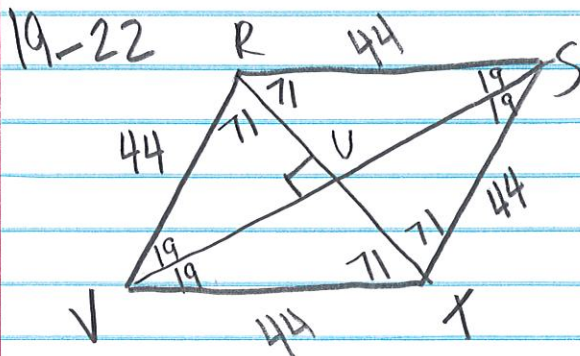
$$6x = 24$$

$$\boxed{x = 4}$$

Square

$\cong$  sides

4 right angles



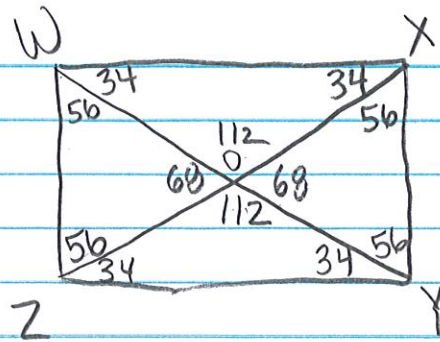
19.  $71^\circ$

20.  $38^\circ$

21. ] SKIP

22.

23.  $34^\circ$   
 24.  $112^\circ$   
 25. 16.5  
 26. SKIP



27.	Statement	Reason
1.		1. Given
2.		2. Diagonals bisect each other
3.	$\overline{HO} \cong \overline{OT}$	3.
4.	$\square HART$ is a rhombus	4.
5.		5. Def. of rhombus
6.		6. Substitution
7.	$WA = WD + DA$ $HT = HD + DT$	7.
8.	$WA = HT$	8.
9.		9. Def. of rectangle