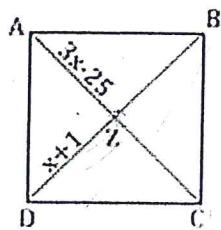


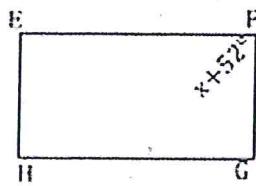
Side 1

For these, solve for the variable... Show all work.

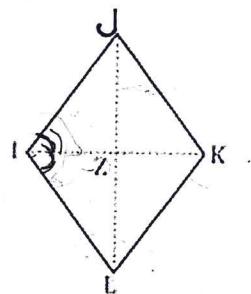
25. ABCD is a rectangle. Find x.



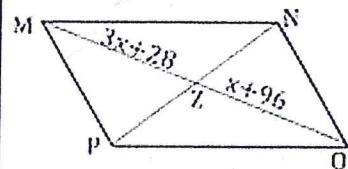
26. EFGH is a rectangle. Find x.



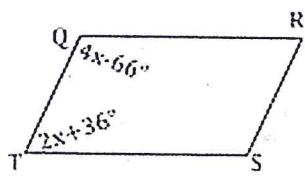
27. IJKL is a rhombus. $\angle KIJ = x - 13$ and $\angle LIK = 3x - 27$. Find x.



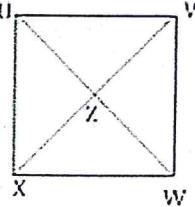
28. MNOP is a parallelogram. Find x.



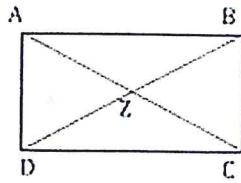
29. QRST is a parallelogram. Find x.



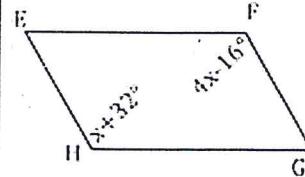
30. UVWX is a square. UW = 2x + 5 and VX = x + 17. Find x.



31. ABCD is a rectangle. $\overline{AC} = 3x + 11$ and $\overline{BD} = 2x + 31$. Find x.

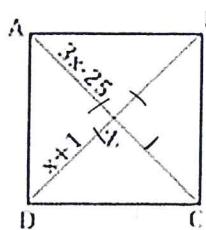


32. EFGH is a parallelogram. Find x.



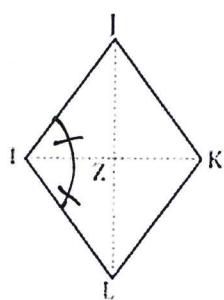
For these, solve for the variable... Show all work.

25. ABCD is a rectangle. Find x.



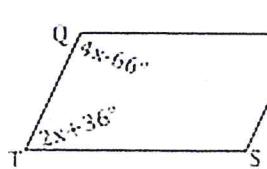
$$\begin{aligned} x+1 &= 3x-25 \\ 26 &= 2x \\ x &= 13 \end{aligned}$$

27. IJKL is a rhombus. $\angle KIJ = x-13$ and $\angle LIK = 3x-27$. Find x.



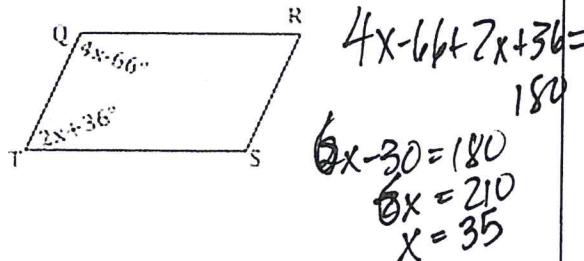
$$\begin{aligned} x-13 &= 3x-27 \\ -x &\quad -x \\ -13 &= 2x-27 \\ 14 &= 2x \\ x &= 15 \end{aligned}$$

28. MNOP is a parallelogram. Find x.



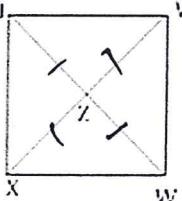
$$\begin{aligned} 3x+28 &= x+96 \\ 2x &= 68 \\ x &= 34 \end{aligned}$$

29. QRST is a parallelogram. Find x.



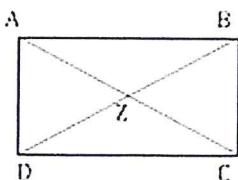
$$\begin{aligned} 4x-66+2x+36 &= 180 \\ 6x-30 &= 180 \\ 6x &= 210 \\ x &= 35 \end{aligned}$$

30. UVWX is a square. UW = 2x+5 and VX = x+17. Find x.



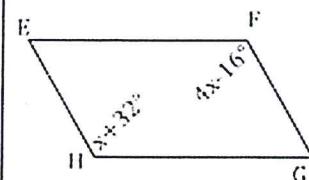
$$\begin{aligned} 2x+5 &= x+17 \\ x &= 12 \end{aligned}$$

31. ABCD is a rectangle. $\overline{AC} = 3x+11$ and $\overline{BD} = 2x+31$. Find x.



$$\begin{aligned} 3x+11 &= 2x+31 \\ x &= 20 \end{aligned}$$

32. EFGH is a parallelogram. Find x.



$$\begin{aligned} 3x+32 &= 3x-16 \\ 48 &= 3x \\ x &= 16 \end{aligned}$$