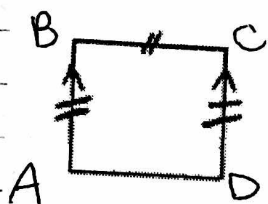


	Parallelogram	Rectangle	Rhombus	Square	Kite	Trapezoid	Isosceles Trapezoid
Both Pairs of Opposite Sides Parallel	A	A	A	A	N	N	N
Diagonals Congruent	S	A	S	A	S	S	A
Both Pairs of Opposite Sides Congruent	A	A	A	A	N	N	N
At least 1 Right Angle	S	A	S	A	S	S	N
Both Pairs of Opposite Angles Congruent	A	A	A	A	N	N	N
Exactly 1 Pair of Opposite Sides Parallel	N	N	N	N	N	A	A
Diagonals Perpendicular	S	S	A	A	A	S	S
At least 2 Consecutive Sides Congruent	S	S	A	A	A	S	S
At least 2 Consecutive Angles Congruent	S	A	S	A	N	S	A
Diagonals Bisect Each Other	A	A	A	A	N	N	N
At least 1 Diagonal Bisects Opposite Angles	S	S	A	A	A	N	N

(C) same pair opp. sides $\cong$ + $\parallel$ makes it a $\parallel$ gram (~~trapez~~ $(\overline{AB} + \overline{CD})$)

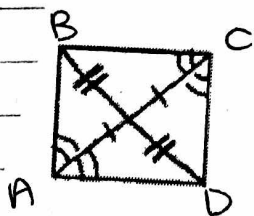
then this makes $\overline{BC} \cong \overline{AD}$

then all sides $\cong \rightarrow$ rhombus



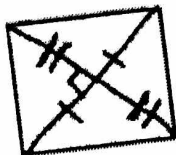
(D) diags bisect each other makes this a $\parallel$ -gram

then $\overline{AC}$ bisects opp. $\angle$ s makes this a rhombus

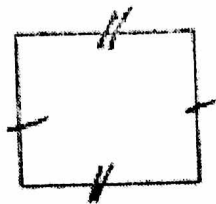


(E) diags bisect each other makes this a $\parallel$ -gram.

then the diags are also $\perp$ makes this a rhombus



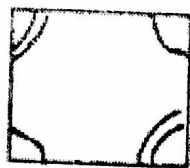
Ⓔ opp sides $\cong$ makes this a 11-gram



* no info about
rt. $\angle$ s

* all 4 sides not
 $\cong$

Ⓖ Opp- $\angle$ s $\cong$ makes this a 11-gram



* no info about
rt. $\angle$ s

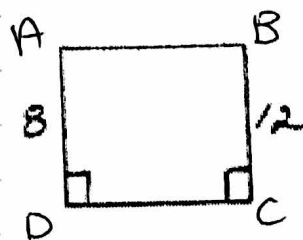
* no info about
side lengths

Ⓗ opp sides NOT $\cong$ so this is NOT
a 11-gram.

$\overline{CD}$ is $\perp$ to both $\overline{AD}$ & $\overline{BC}$, so $\overline{AD} \parallel \overline{BC}$

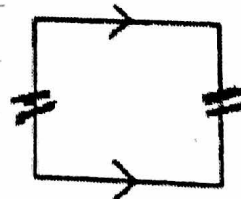
$\overline{AB}$ cannot be $\parallel$ to $\overline{CD}$ because
 $\overline{AD}$ & $\overline{BC}$ are diff. lengths

Trapezoid



Ⓘ one pair opp. sides $\cong$, and the other
set of opp. sides are $\parallel$.

isos. trapezoid

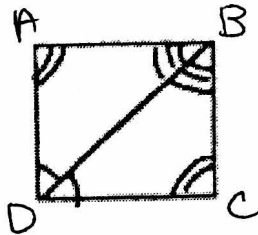


opp. $\angle$ s

- (J) $\angle A \cong \angle C$ but the entire $\angle B$ is NOT $\cong$ to entire $\angle D$ (3 ticks vs 1 tick)

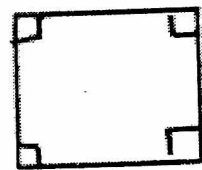
but notice that $\overline{BD}$ bisects those opp. $\angle$ s

kite



- (K) all rt. $\angle$ s $\rightarrow$ rectangle

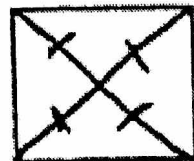
*no info about side lengths



- (L) diags bisect each other makes this a parallelogram

but notice that each part of the diags are $\cong$. so the entire diags are $\cong$

rectangle



- (M) For the same reasons as (L), this is a rectangle.

Notice the diags are also $\perp$. so this is a rhombus.

rectangle AND rhombus $\rightarrow$ square



⑭ opp. sides $\cong$ makes this a
ll-gram.

then the rt. $\angle$ makes all $\angle$ s rt. $\angle$ s
so this is a rectangle

