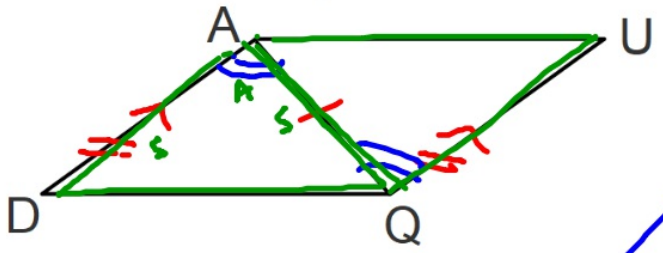
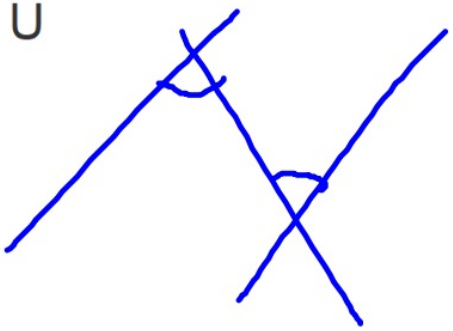
Good morning: attach warm up to notes, then do the proof

Given: $\overline{QU} \parallel \overline{AD}$, $\overline{QU} \cong \overline{AD}$

Prove: $\overline{DQ} \cong \overline{UA}$

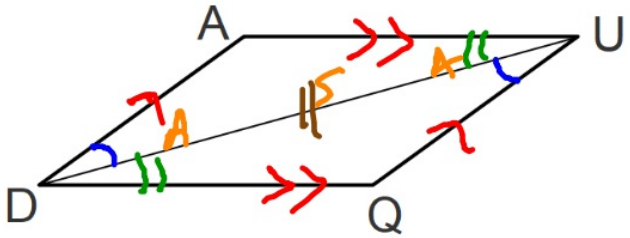




S	R
1.	1. Given
2. $\angle DAQ \cong \angle UQA$	2 - Alt. Int. Angles
3. $\overline{AQ} \cong \overline{AQ}$	3. Reflexive Property
4. $\triangle DAQ \cong \triangle UQA$	4. SAS
5. $\overline{DQ} \cong \overline{UA}$	5. CPCTC

reminders
tutoring today 4-5p
retakes in DS
next assess: 12/4

Given: $\overline{QU} \parallel \overline{AD}$, $\overline{AU} \parallel \overline{QD}$
Prove: $\angle A \cong \angle Q$



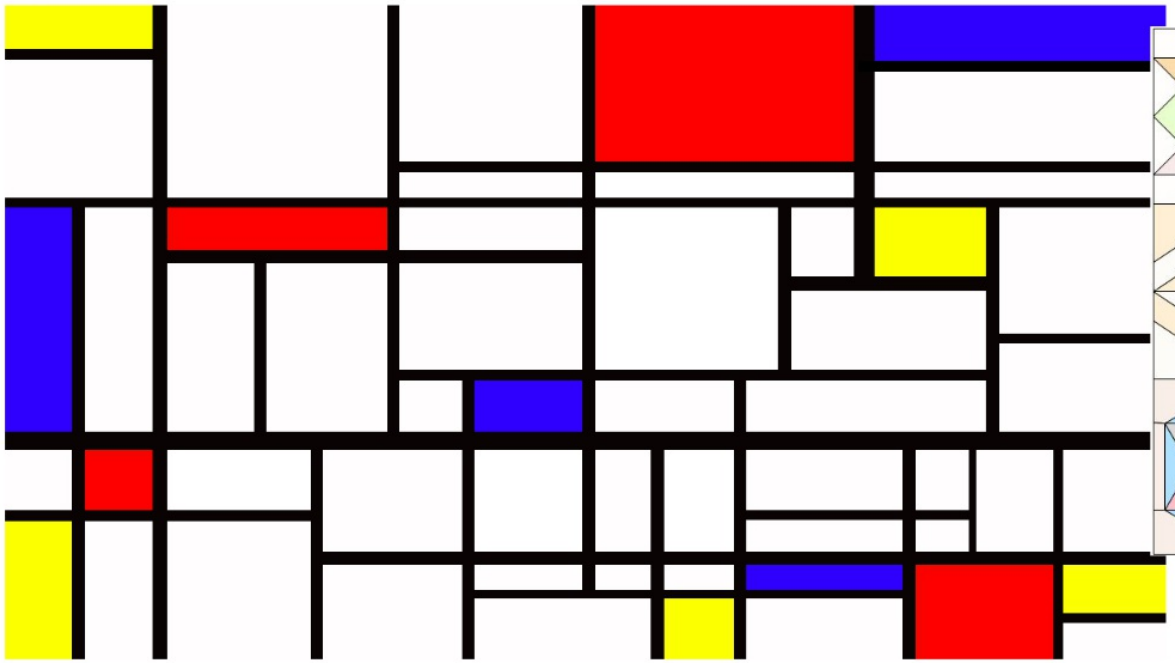
1. —
1. Given
2. $\angle DUQ \cong \angle UDA$
2. Alt. Int.
3. $\angle QDU \cong \angle AUD$
3. " "
4. $\overline{DU} \cong \overline{DU}$
4. Reflexive Prop
5. $\triangle AUD \cong \triangle QDU$
5. ASA
6. $\angle A \cong \angle Q$
6. CPCTC

Trade papers with person next to/across from you

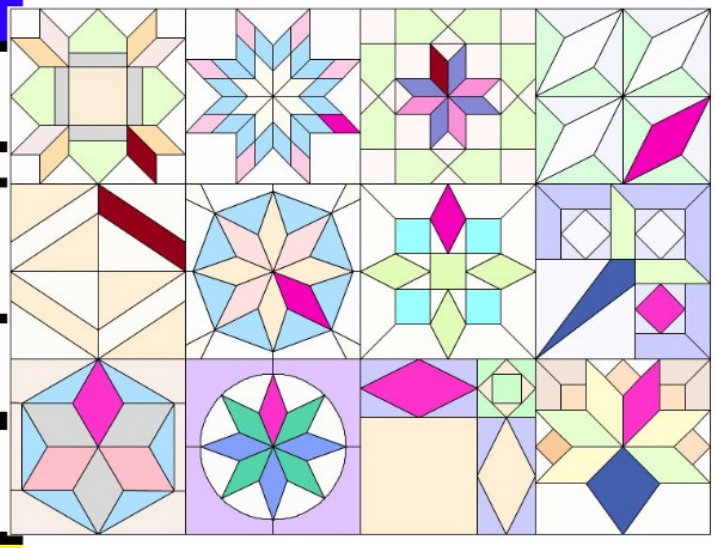
Quietly read over their work

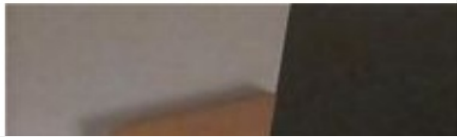
Describe back to the writer what you think they did, and any comments/critiques you have (be polite)

Quadrilaterals!



Mondrian



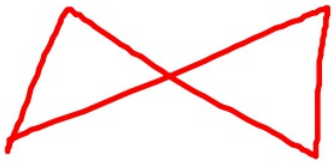


Taxonomy of Quadrilaterals

4 side

Quadrilaterals

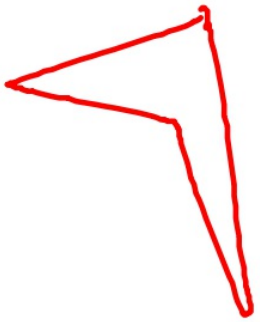
Complex



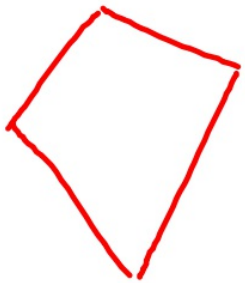
Simple

Concave

"caved in"

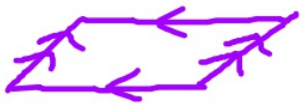


Convex



each angle < 180°

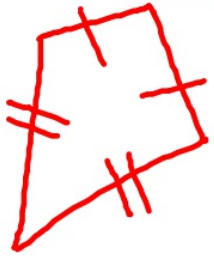
Convex Quadrilaterals



2 pairs of parallels

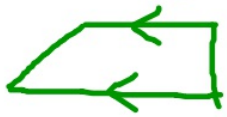
Kites

- no parallels
- 2 distinct pairs of adjacent ≅ sides

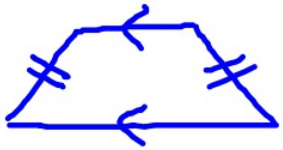


Trapezoids

1 pair of parallels

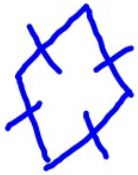


Isosceles Trapezoids

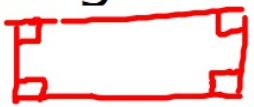


Parallelograms

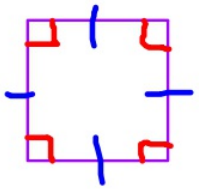
Rhombi



Rectangles



Squares



[redacted]

Place each word in the correct place

Rectangle

Square

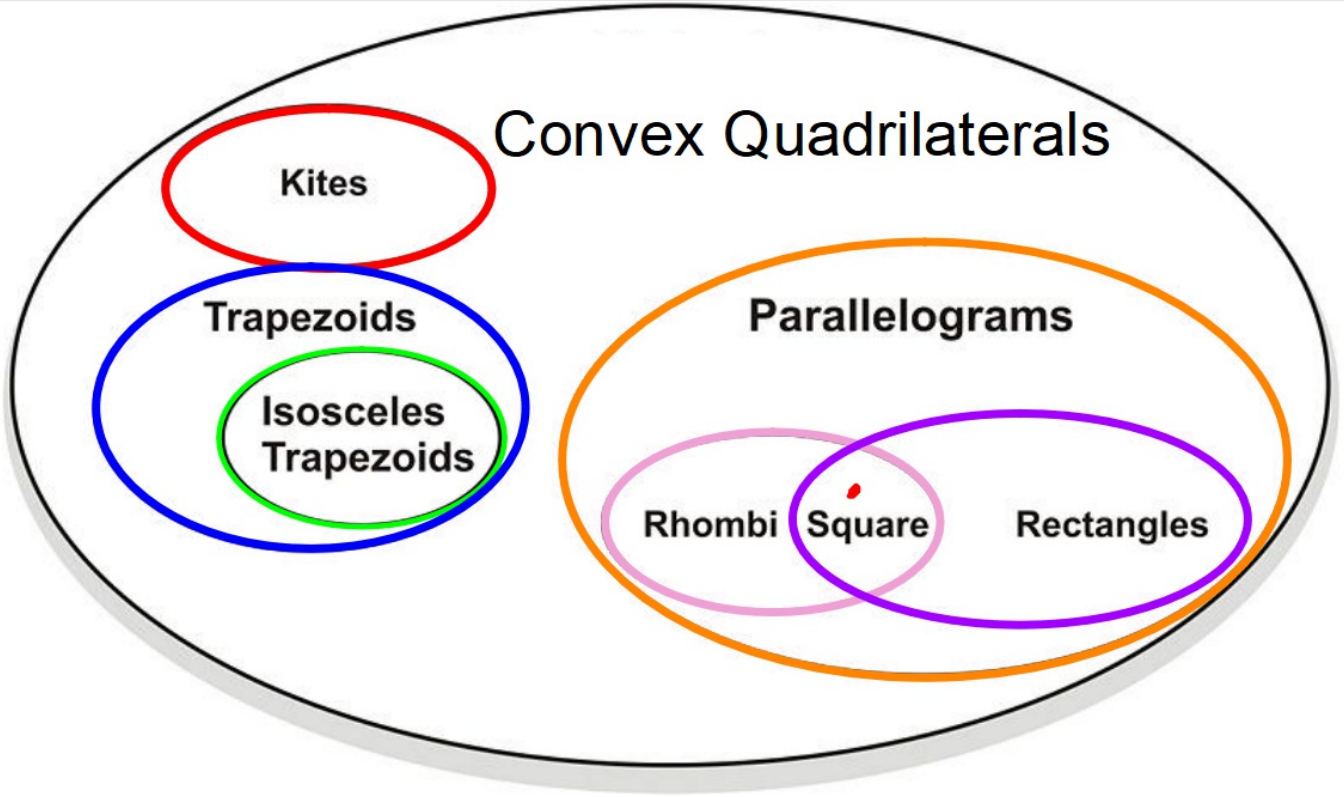
Parallelogram

Rhombus

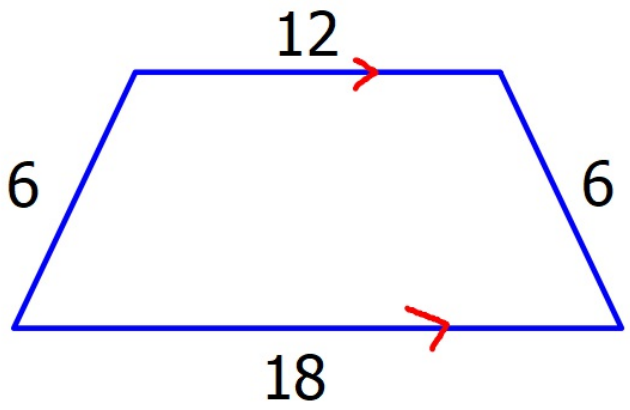
Isos. Trapezoid

Kite

Trapezoid

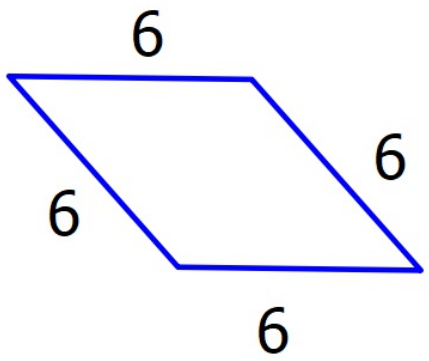


What is the most specific name for this quadrilateral?



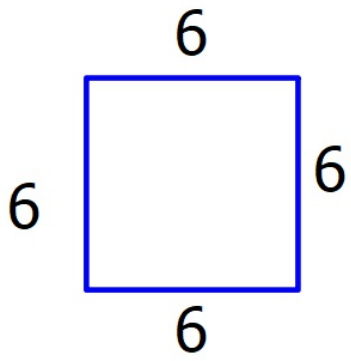
A trapezoid
B rectangle
C isosceles trapezoid
D parallelogram
E I don't know yet

What is the most specific name for this quadrilateral



A square
B kite
C rhombus
D parallelogram
E I don't know yet

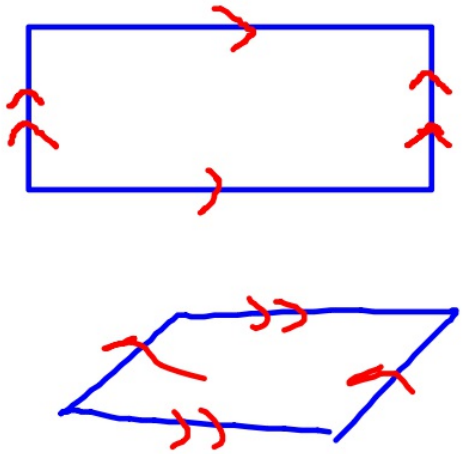
What is the most specific name for this quadrilateral



A square
B rectangle
C rhombus ✓
D parallelogram
E I don't know yet

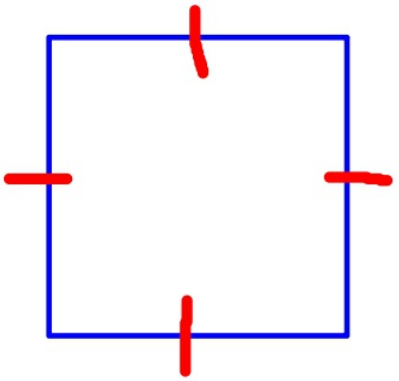
Assume

What is the most specific name for this quadrilateral



A square
B rectangle
C rhombus
D parallelogram
E I don't know yet

What is the most specific name for this quadrilateral



A square
B kite
C rhombus ✓
D parallelogram
E I don't know yet

What is the most specific name for this quadrilateral

A square

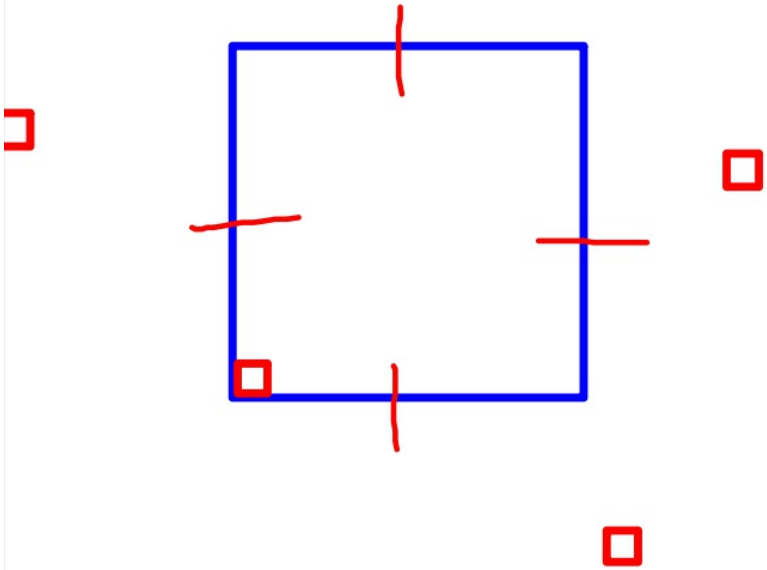
B rectangle ✓

C rhombus

D parallelogram

E I don't know yet

What is the most specific name for this quadrilateral



A square

B rectangle ✓

C rhombus

D parallelogram

E I don't know yet

Originally did not have the 4 tick marks