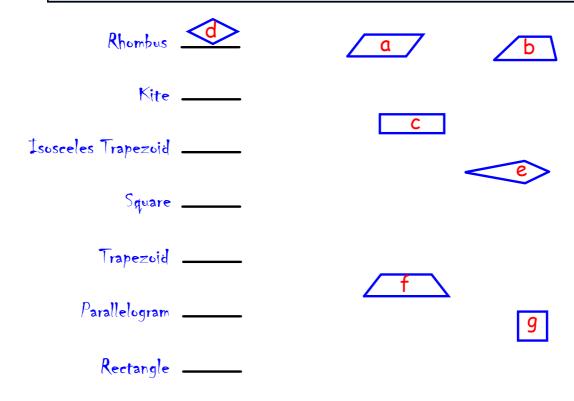


Pick your table group!

Everything you wanted to know about Quadrilaterals but were afraid to ask...

Questions to answer	What we learned
	Questions to answer

Special Quadrilaterals - Match the shape with the name



Rhombus ______a

Isosceles Trapezoid

Square _____

Trapezoid ____

Parallelogram _____

Rectangle _____

f

9

Special Quadrilaterals - Match the shape with the name

Rhombus

a

Ь

Kite e

Isosceles Trapezoid f

С

Square _____

Trapezoid ____

Parallelogram _____

9

Rectangle _____

Rhombus

Kite

C

Isosceles Trapezoid

Square

9

Parallelogram _____

Trapezoid ____

Rectangle _____

Special Quadrilaterals - Match the shape with the name

Rhombus

Rhombus

Rite

C

Isosceles Trapezoid

Square

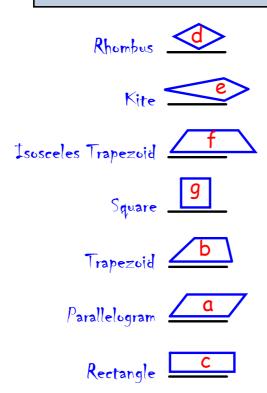
9

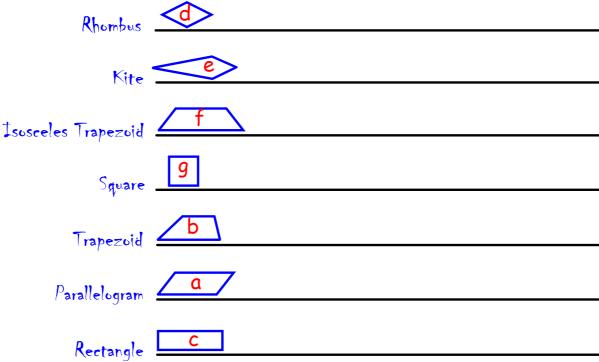
Trapezoid

Parallelogram

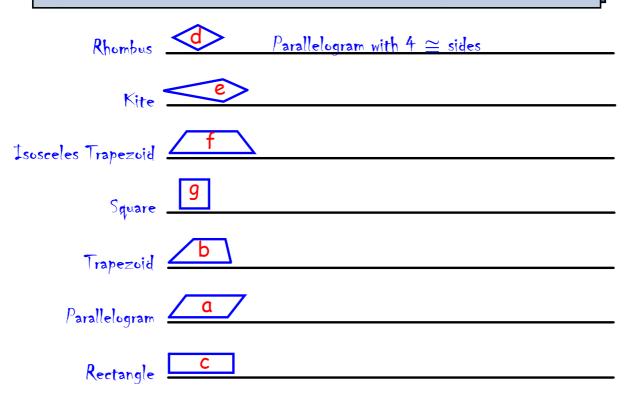
Rectangle

Special Quadrilaterals - Match the shape with the name





Special Quadrilaterals - Now define each shape...



Rhombus

Parallelogram with 4 ≈ sides

Quadrilateral 2 pair adjacent sides ≈

but no opposite sides ≈

Isosceles Trapezoid

Square

Parallelogram

Rectangle

C

C

Quadrilateral 2 pair adjacent sides ≈

but no opposite sides ≈

Farallelogram

Rectangle

C

Rectangle

Special Quadrilaterals - Now define each shape...

Rhombus

Parallelogram with 4 ≈ sides

Guadrilateral 2 pair adjacent sides ≈
but no opposite sides ≈

Isosceles Trapezoid

Trapezoid whose non-parallel sides are ≈

Square

Parallelogram

Rectangle

C

Rectangle

Rhombus

Parallelogram with 4 ≈ sides

Quadrilateral 2 pair adjacent sides ≈

but no opposite sides ≈

Isosceles Trapezoid

Frapezoid whose non-parallel sides are ≈

Square

Parallelogram with 4 ≈ sides & 4 right ∠'s

Trapezoid

Parallelogram

Rectangle

C

Special Quadrilaterals - Now define each shape ...

Rhombus

Parallelogram with 4 ≈ sides

Rite

Quadrilateral 2 pair adjacent sides ≈ but no opposite sides ≈

Trapezoid whose non-parallel sides are ≈

Square

Parallelogram with 4 ≈ sides & 4 right ∠'s

Trapezoid

Duadrilateral with only 1 pair parallel sides

Parallelogram

Rectangle

C

Rhombus

Parallelogram with 4 ≅ sides

Quadrilateral 2 pair adjacent sides ≅
but no opposite sides ≅

Isosceles Trapezoid

Trapezoid whose non-parallel sides are ≅

Square

Parallelogram with 4 ≅ sides & 4 right ∠'s

Trapezoid

D

Quadrilateral with only 1 pair parallel sides

Parallelogram

Quadrilateral w/both pair opposite sides parallel

Rectangle

C

Special Quadrilaterals - Now define each shape ...

Rhombus

Parallelogram with 4 ≈ sides

Ruadrilateral 2 pair adjacent sides ≈

but no opposite sides ≈

Isosceles Trapezoid

Frapezoid whose non-parallel sides are ≈

Square

Parallelogram with 4 ≈ sides & 4 right ∠'s

Trapezoid

Duadrilateral with only 1 pair parallel sides

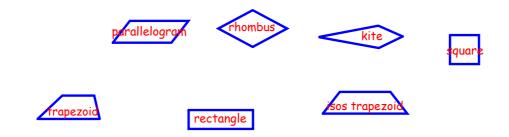
Parallelogram

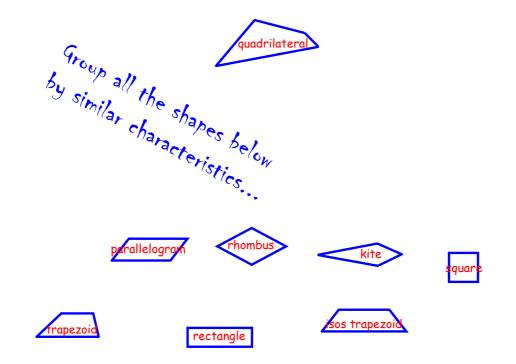
Quadrilateral w/both pair opposite sides parallel

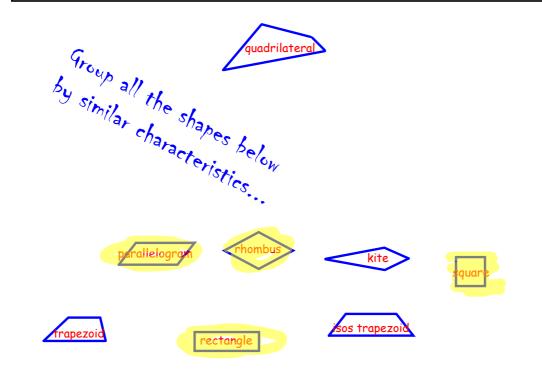
Rectangle

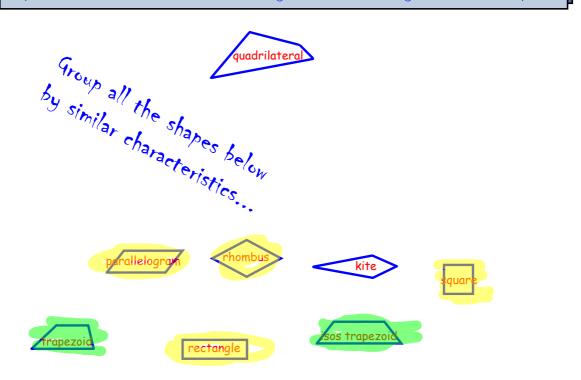
C Parallelogram with 4 right ∠'s

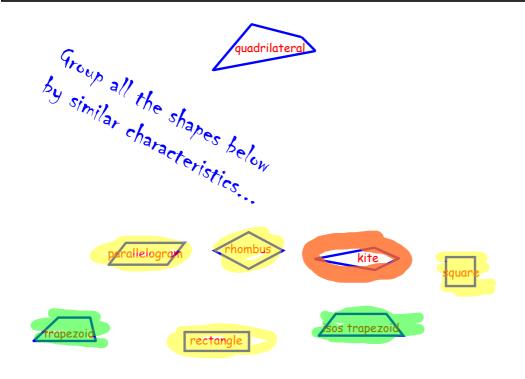


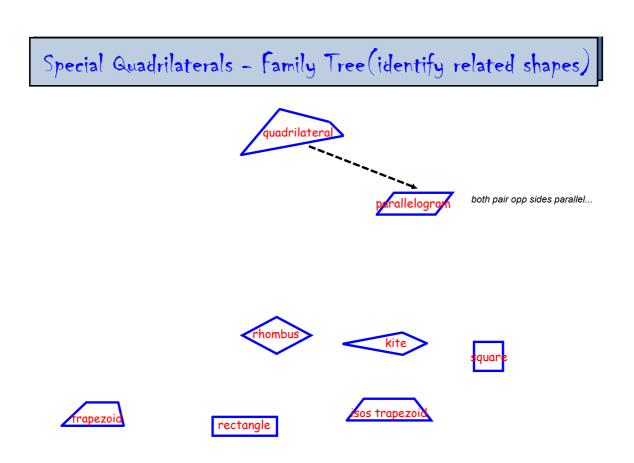


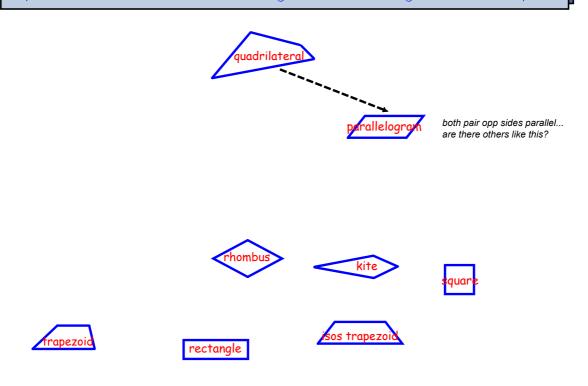


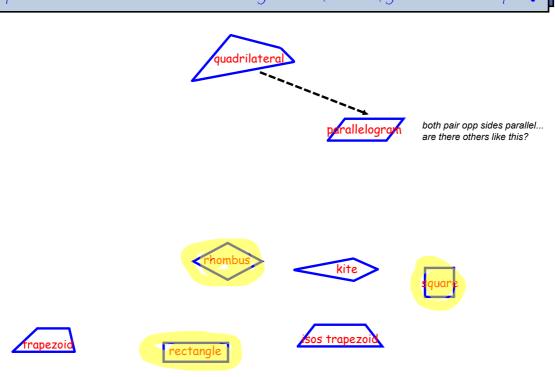


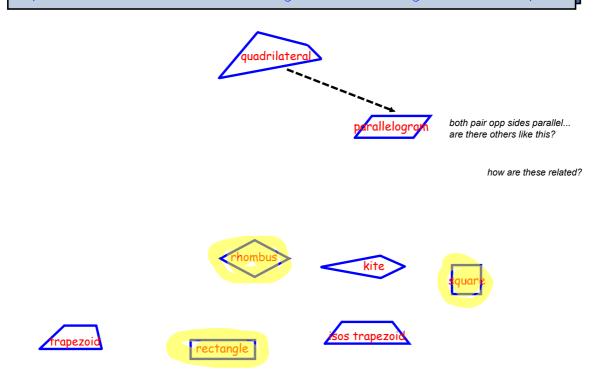


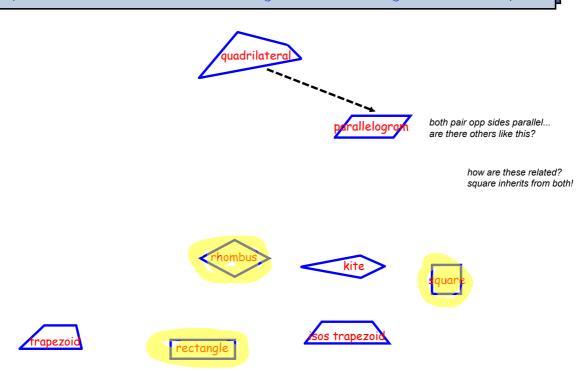


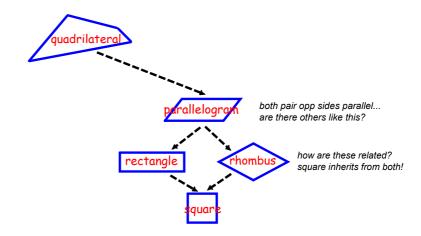






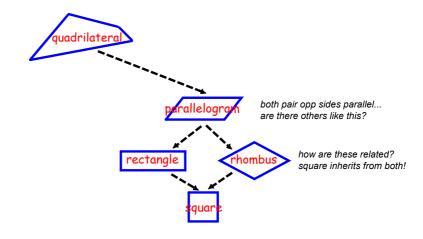






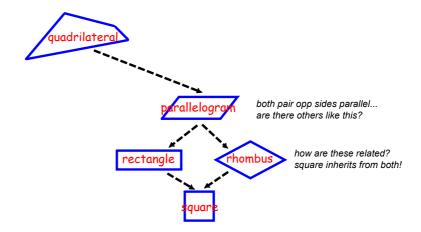


Special Quadrilaterals - Family Tree (identify related shapes)



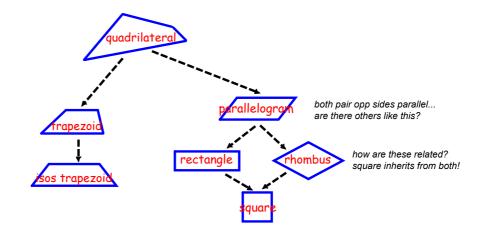
what about these?



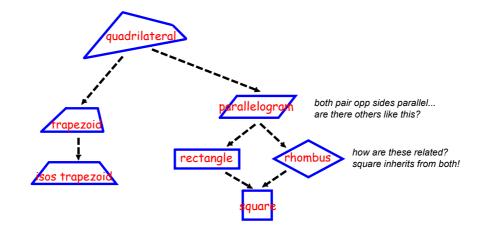


what about these? obviously trapezoid and isosceles trapezoid are related...



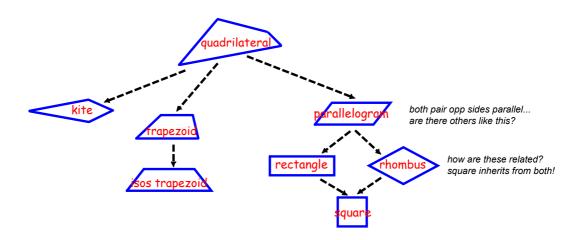


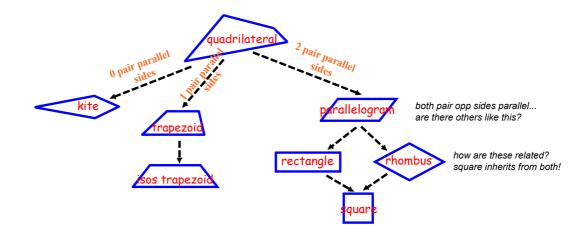




looks like the kite is "flying solo"...

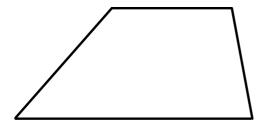




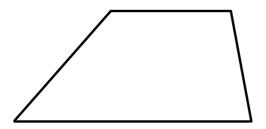


Everything you wanted to know about Quadrilaterals but were afraid to ask ...

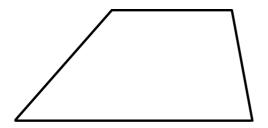
Now go back to your first page and fill in the "What we learned..." column summarizing (you guessed it) what we've learned.



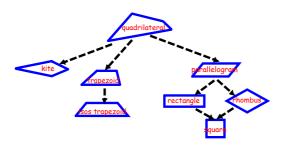
Judging by appearance, classify this quadrilateral in as many ways as possible



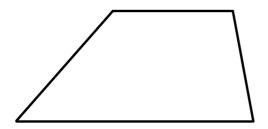
The trick here is to start at the top of the quadrilateral family tree and go as far down as you can, naming every shape you hit.



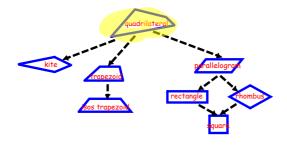
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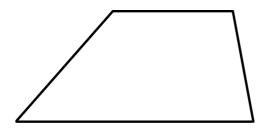


Judging by appearance, classify this quadrilateral in as many ways as possible



The trick here is to start at the top of the quadrilateral family tree and go as far down as you can, naming every shape you hit.

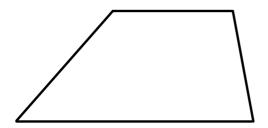




The trick here is to start at the top of the quadrilateral family tree and go as far down as you can, naming every shape you hit.

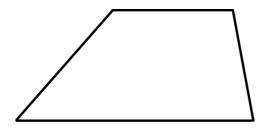


Judging by appearance, classify this quadrilateral in as many ways as possible

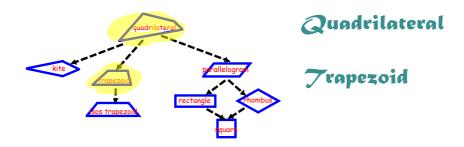


The trick here is to start at the top of the quadrilateral family tree and go as far down as you can, naming every shape you hit.





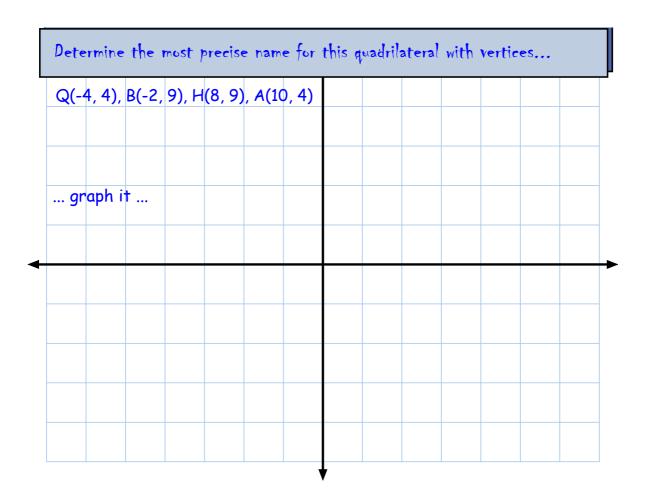
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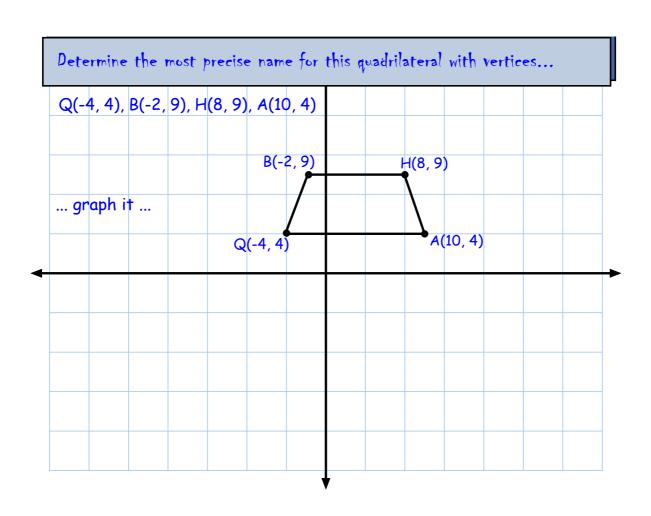


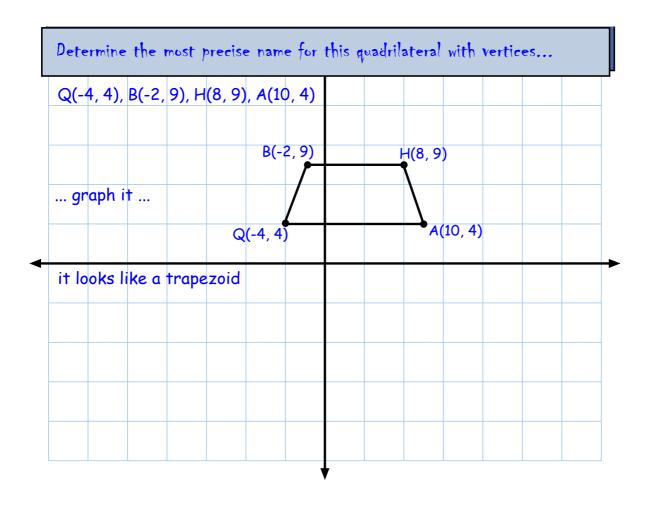
Determine the most precise name for this quadrilateral with vertices...

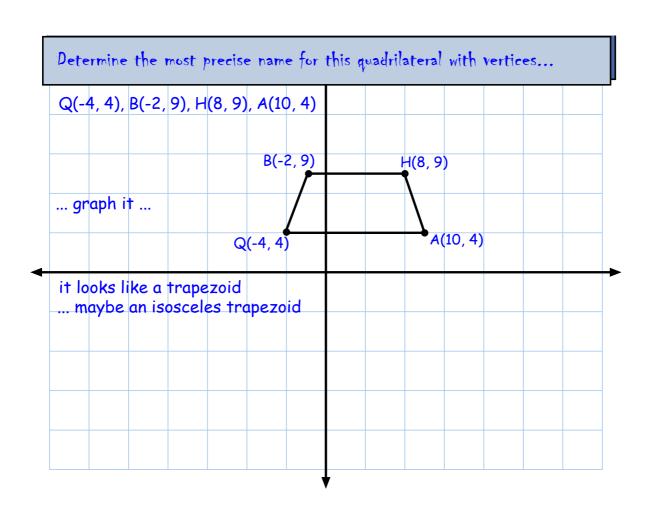
Q(-4, 4), B(-2, 9), H(8, 9), A(10, 4)

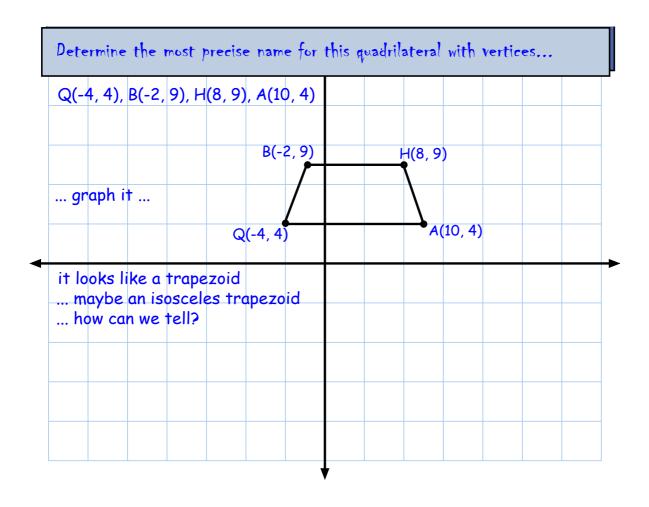
... graph it ...

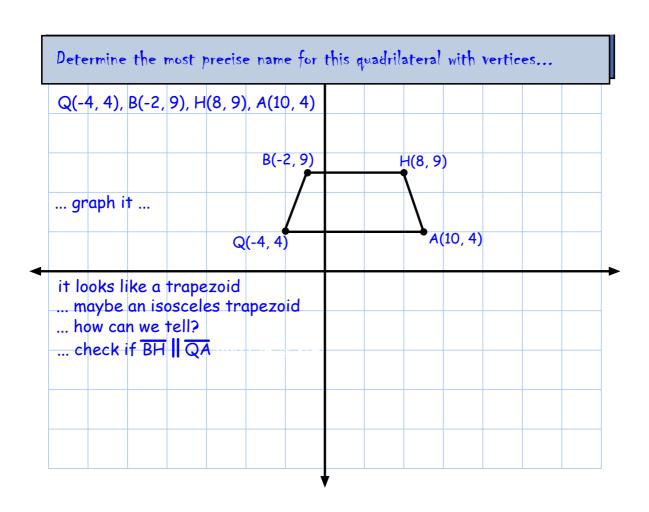


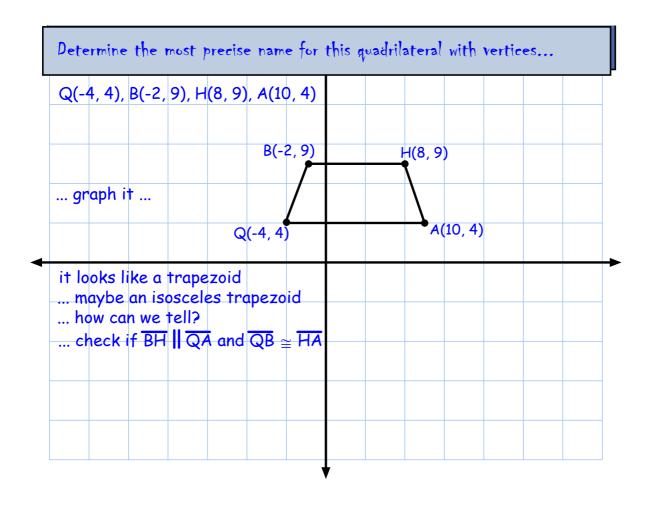


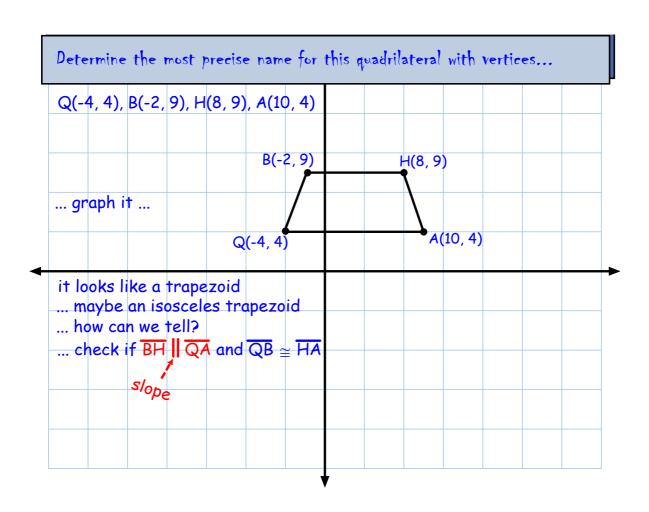


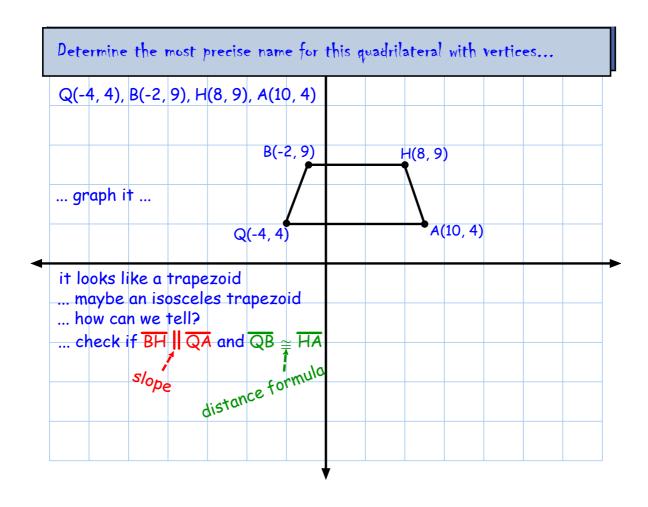


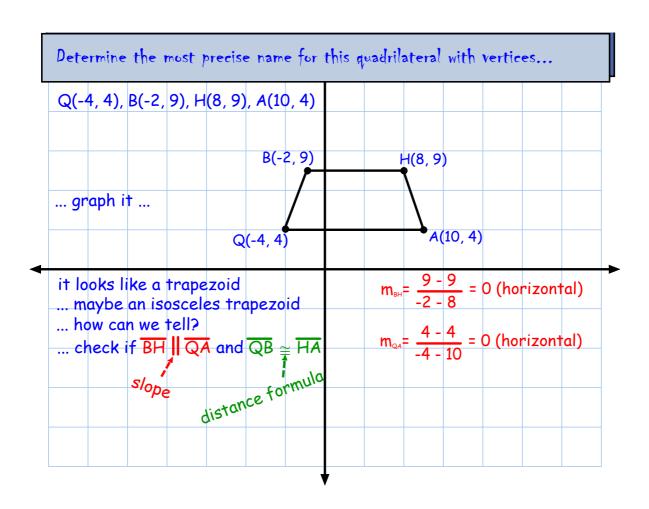


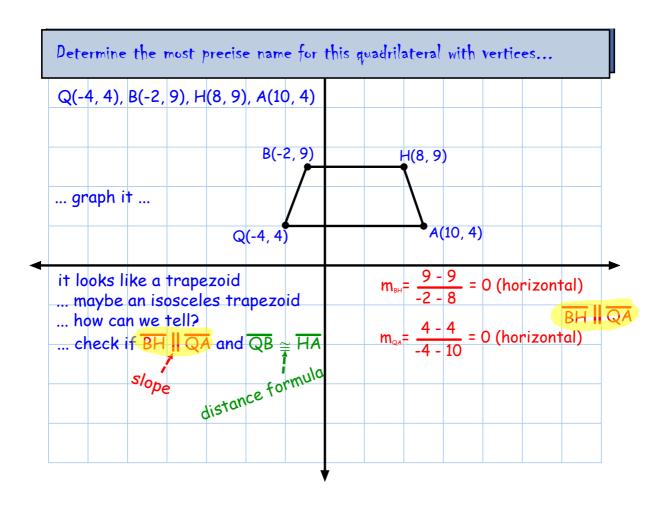


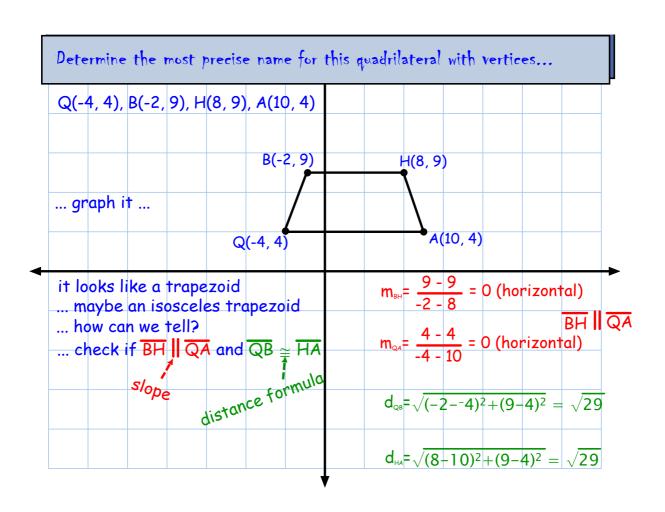


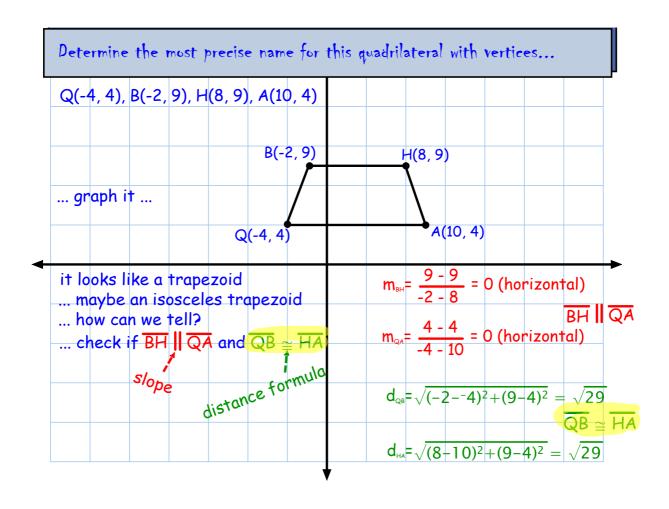


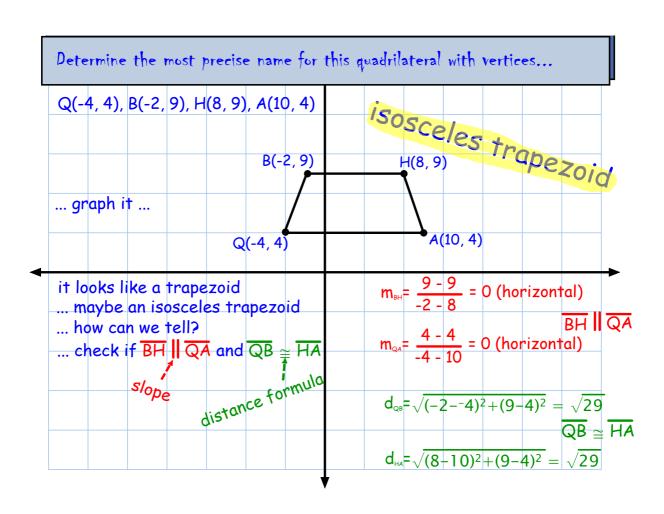












In rhombus RSTU, find the value of x

$$RS = x + 10$$

$$ST = 3x - 50$$

In rhombus RSTU, find the value of x

RS = x + 10

ST = 3x - 50

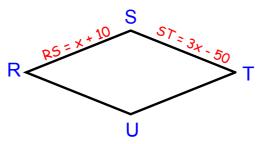
...It may help to draw and label the figure...fill in equations...

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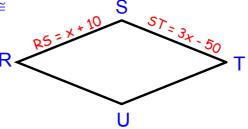
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...It may help to draw and label the figure...fill in equations...

All sides of a rhombus are \cong



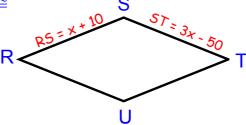
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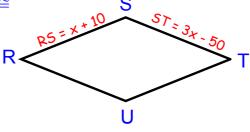
...It may help to draw and label the figure...fill in equations...

All sides of a rhombus are \cong

$$x + 10 = 3x - 50$$

$$60 = 2x$$

$$30 = x$$



L6.1 HW Problems

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Pg 290 #1-12, 15, 16,
19-26, 29-34,
37-42, 46-49,
60-63
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