

What is the scale factor September 17, 2018

$10 \times f = 15$   
 $\frac{15}{10} = 1.5$   
 $\frac{12}{8} = 1.5$   
 $\frac{9}{6} = 1.5$

Find the value of  $x$  and the length of segment  $DE$ .

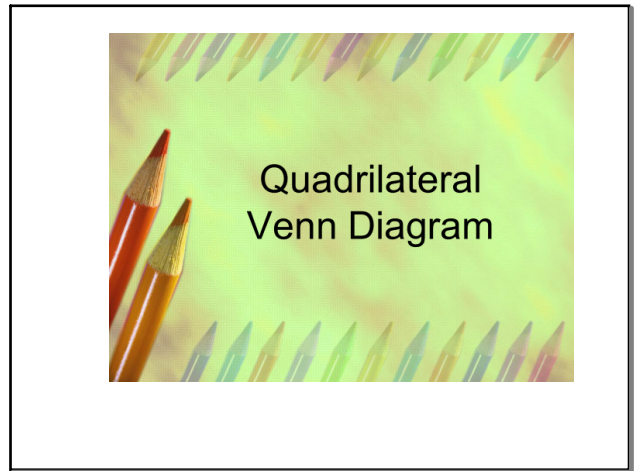
$DE = 12$   
 $x - y = 12$   
 $\frac{x}{1} = \frac{12}{1}$   
 $x = 12$

Find the height of the tree.

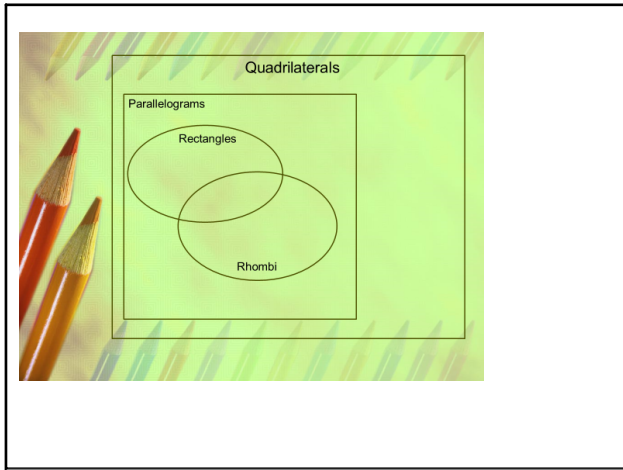
**RIGHT**  
**Bottom**

$\frac{2}{3} = \frac{t}{30}$   
 $\frac{2t}{3} = \frac{60}{3}$   
 $t = 20$

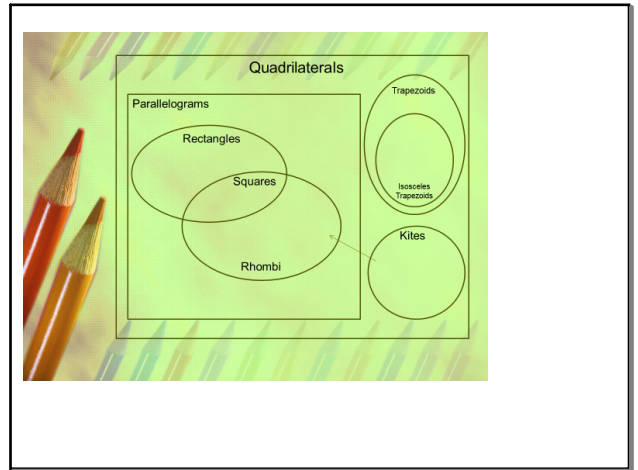
Sep 14-8:11 AM



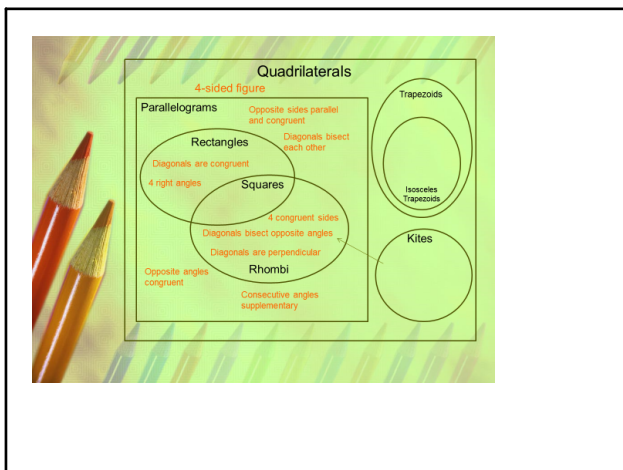
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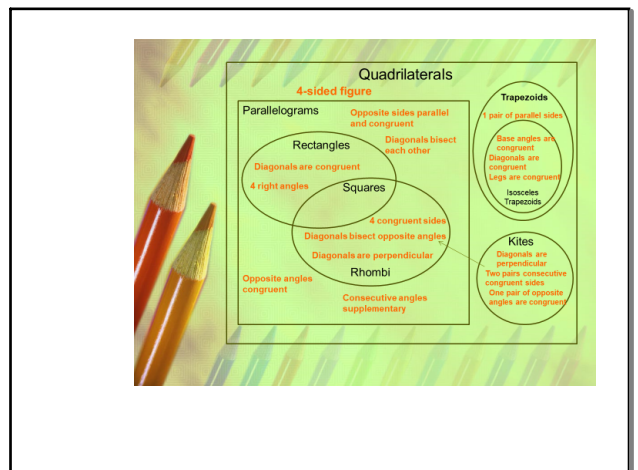
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Sep 14-8:13 AM



Sep 14-8:13 AM



Sep 14-8:14 AM

Geometry \_\_\_\_\_ Name \_\_\_\_\_

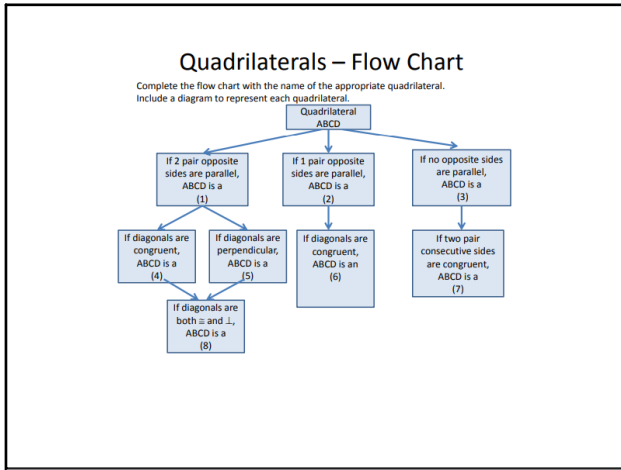
Cut the following out and place on the G.O. where the items go.

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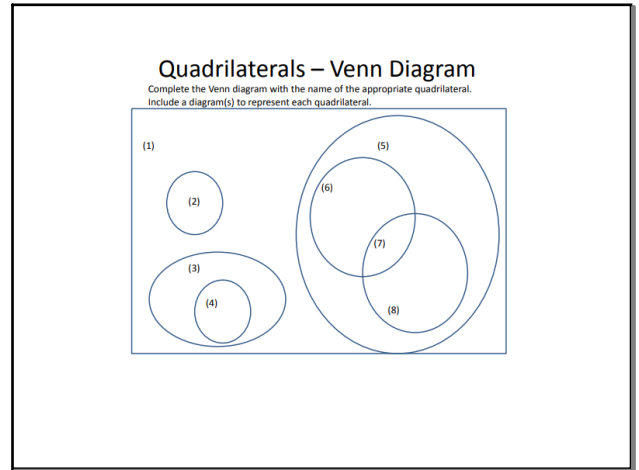
Complete the properties chart for each quadrilateral. Tell how many and which angles or sides fit each description. Tell the characteristics of the diagonals for each quadrilateral.

Figure	Congruent Angles	Congruent Sides	Parallel Sides	Diagonals
Parallelogram	Yes, opposite angles are congruent	Yes, opposite sides are congruent	Yes, 2 sets of parallel sides	Diagonals bisect
Rectangle	Yes, all 4	Yes, 2 sets	Yes, 2 sets	Diagonals bisect
Rhombus	Yes, 2 sets	Yes, all 4	Yes, 2 sets	Diagonals bisect
Square				
Trapezoid				
Isosceles Trapezoid	Yes, 2 sets	Yes, 1 set	Yes, 1 set	are congruent
Kite	Yes, 1 set	Yes, 2 sets	No	The diagonals are perpendicular

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Sep 14-8:16 AM



Sep 14-8:16 AM

Geometry \_\_\_\_\_ Name \_\_\_\_\_

Moth Warehouse **Quadrilateral**

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Sec 2.1 Geometry - Constructions

1. [COPY SEGMENT] Construct a segment with an endpoint of C and congruent to the segment AB.

2. [COPY ANGLE] Construct an angle with ray  $\overrightarrow{JK}$  and congruent to the angle  $\angle DEF$ .

Sep 14-8:22 AM

