WARM-UP

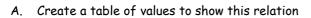
(4)
$$\underline{m} + (4)5 = (4) - m$$
 $\underline{4m} + 20 = 4 - 4m$
 $\underline{m+20-2-4m}$
 $\underline{m+4m+20-2-4m}$
 $\underline{5m+30-20-2-2-20}$
 $\underline{5m-3/5}$
 $\underline{5m-3/5}$

2. Is the following a linear relation? if yes write the equation.

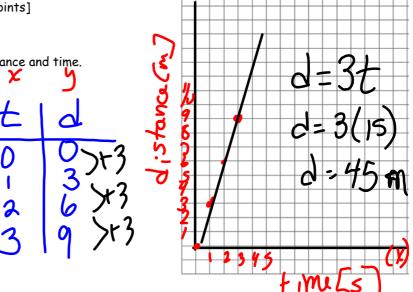
$$y=3x-1$$

Linear relation questions...

Jane is rowing at an average speed of 3 meters every second. Let d, represent distance and t represent time.

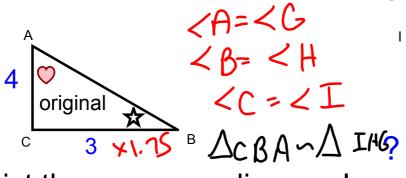


- B. Graph the data...[will you join the points]
- C. Is the relation linear?
- D. Write an equation that relates distance and time.
- E. How far does Jane row in 15 s?



Similar Polygons Chp 7

*Scale Factor= length of enlargement/reduction actual size [original]



1) List the corresponding angles

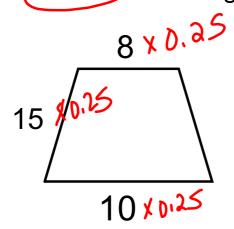
ম Ratio of corresponding sides

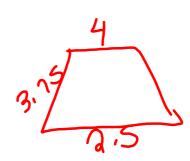
3) find the scale factor.

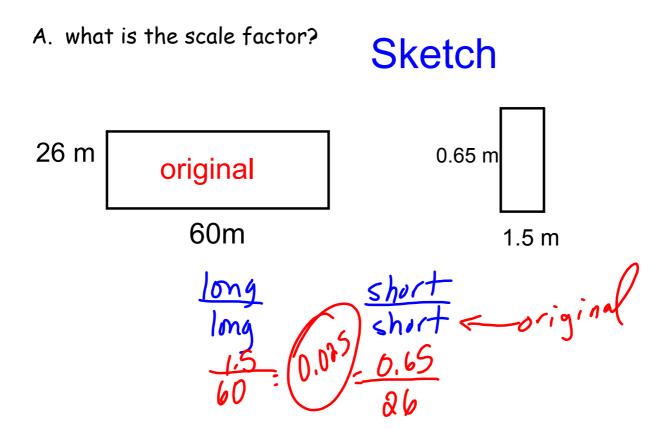
4) Find side HI?

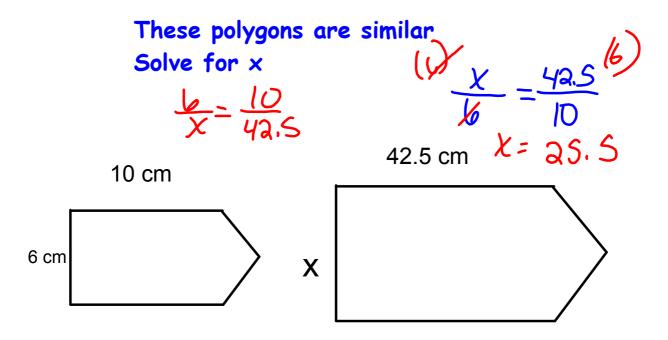
A. Sketch a diagram that is 1/4 the size of the original

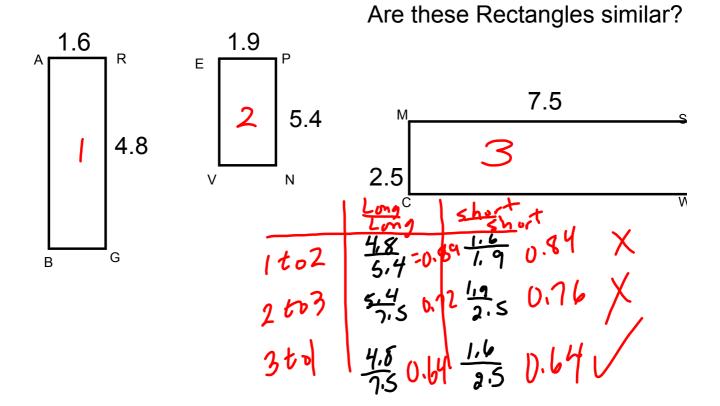
B. Is this a reduction or enlargement?











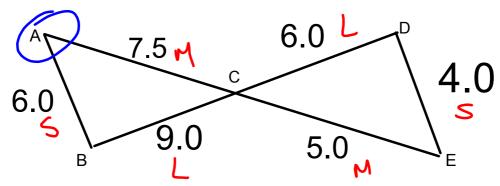
Similar Triangles

Triangles are a special polygon.

1. The measures of corresponding angles must be equal

OR

2. The ratios of the lengths of corresponding sides must be equal

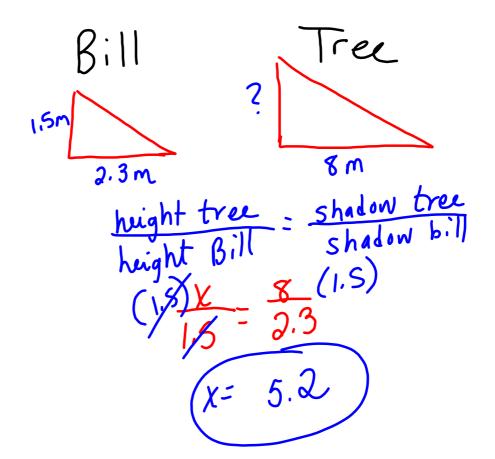


Ratio of corresponding sides

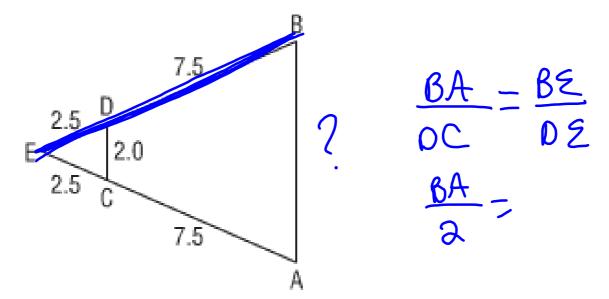
Scale factor? FO FC B

1.5

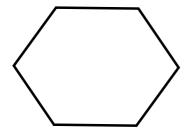
Bill is 1.5 m tall. His shadow is 2.3 m long. He is standing beside a tree that has a shadow that is 8 m long. How tall is the tree? Sketch a diagram

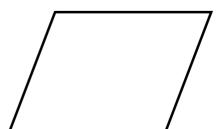


Solve for BA



Lines of Symmetry



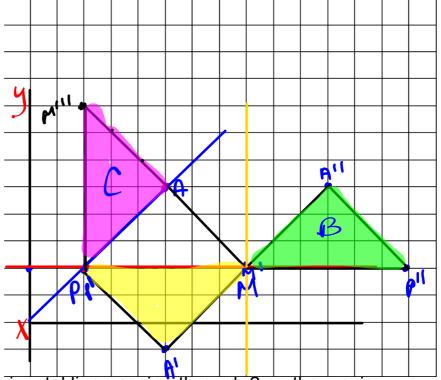


Plot the points:

P (2, 2)

A (5, 5)

M (8, 2)



Reflect ΔPAM in the horizontal line passing through 2 on the y-axis.

b) Reflect $\triangle PAM$ in the vertical line passing through 8 on the *x*-axis.

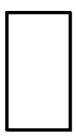
c) Reflect $\triangle PAM$ in the oblique line passing through the points (2, 2) and (5, 5).

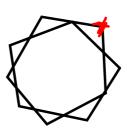
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Rotational Symmetry

- The number of times a shape coincides with itself, during rotation of 360, ORDER OF ROTATION!
- ANGLE OF ROTATION -- 360 order of rotation







June 08, 2016 unit 7.notebook



- A. [4, 1]
- B [2, 1] C [2, 4]
- D [4,4]

A. Rotate 90 degrees at point A

B. rotate 180 degrees atpoint A

C.Translation R4, U5

