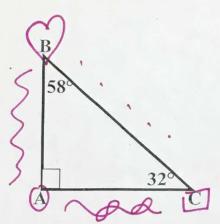
## Similarity

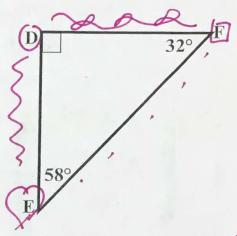
\* Figures that have the same shape are

Similar

but different size

\*Triangle ABC is similar to Triangle DEF.





- \* The corresponding angles of similar figures are Congruent

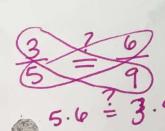
  \* The corresponding sides of similar figures are Proportional

## orresponding Angle

Corresponding Sides

$$\angle A \cong \angle D$$

Kasie would like to make a copy of a picturé that measures 3 in. by 5 in. She wants to enlarge it to 6 in. by 9 in. Will the enlarged picture be an exact replica of the original picture?



3 in.



6 in.



9 in.

Practical TAKS Activities to "AIRR" Out Your Curriculum"

## Solve no rine state style style

Solve for the missing sides in each pair of similar figures. For each pair of similar figures, give the measure of the corresponding angles.

- -Corresponding angles are Conquent
- · Corresponding sides are proportional

