Similar Figures
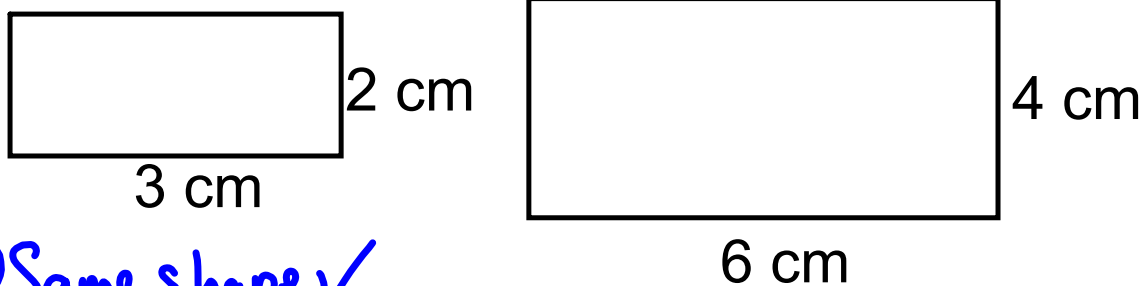
Two figures are similar if:

1) They have the same shape

2) Corresponding angles are congruent

3) Corresponding sides are proportional

Example 1:

2 cm

3 cm

4 cm

6 cm

① Same shape ✓
② Congruent Angles ✓
③ Sides Proportional ✓ $\frac{2}{3} \underset{X}{=} \frac{4}{6}$
∴ The shapes are similar $12 = 12$ ✓