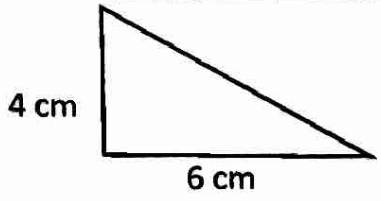
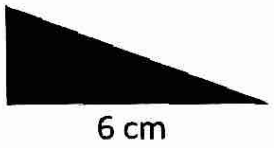
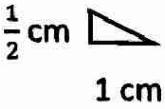
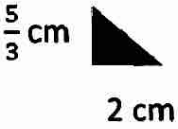
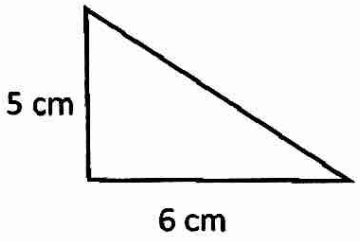
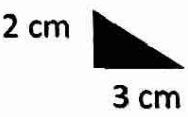
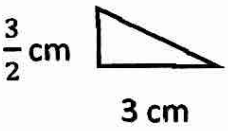
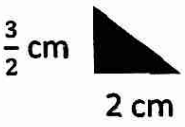
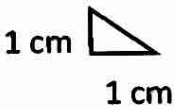
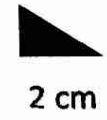
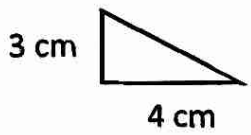
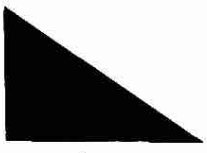
**Homework: Similar Triangles** Name: Key

Match a pair of similar triangles, one from the pre-image column and one from the image column. Once a match has been discovered, determine the scale factor. **Shapes are not to scale.*

| Pre-Image | Image |
|---|---|
| **A**   | **G**   |
| **B**   | **H**   |
| **C**   | **I**   |
| **D**   | **J**   |
| **E**   | **K**   |
| **F**   | **L**   |

| Pre-Image | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| Image Match | I | K | H | G | L | J |
| Scale Factor | $K=\frac{1}{2}$ | $K=2$ | $K=\frac{1}{3}$ | $K=2$ | $K=4$ | $K=\frac{1}{2}$ |

always multiplication

* If you think division... then it's multiplied by reciprocal!