SIMILAR FIGURES
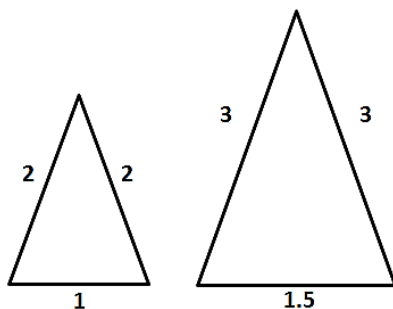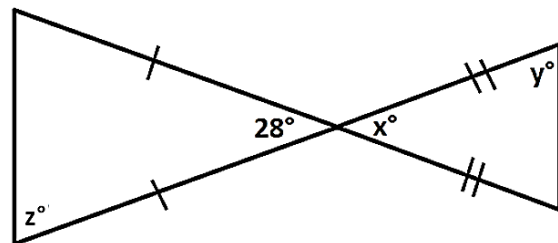
Using pages 17-20 in your notebook…

❶ Explain what it means for two figures to be similar?

❷ Draw an example of two similar figures.

❸ Draw an example of two non-similar figures.

Using the information given, find the values of x, y, and z.

Then tell if the two triangles are similar or not, and how you know.

❶ A 6-foot tall tent casts a 9-foot shadow. If the tent is next to a cardboard box and the box casts a 6-foot long shadow, how tall is the box?

❷ A telephone booth that is 8 feet tall casts a shadow that is 4 feet long. Find the height of a lawn gnome nearby that casts a 2 foot shadow.

❸ A map has a scale of 3cm:18km. If Riverside and Smithville are 54km apart in real life, how far apart will they be on the map?

❹ A model house is 12cm wide. If it was built with a scale of 3cm:4m, then how wide is the real house?