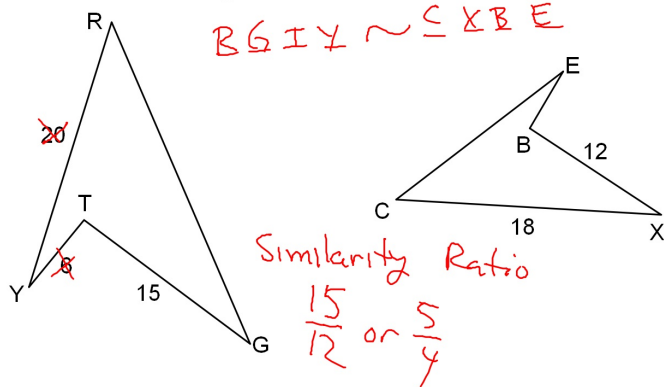
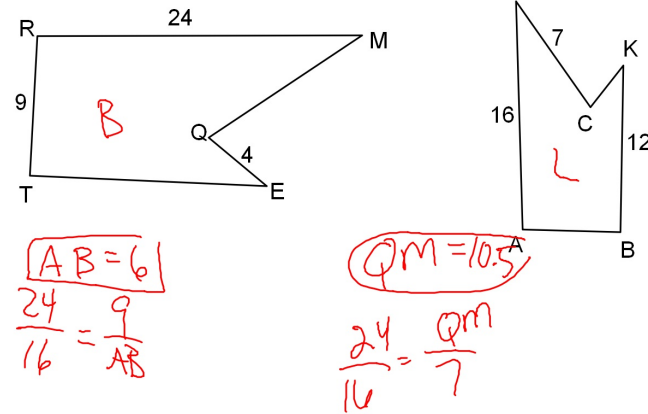


1. Write a similarity statement and give a similarity ratio for these similar figures.



2. Given the figures are similar, find the lengths of \overline{AB} and \overline{QM}



3. Use this proportion $\frac{8+15}{15} = \frac{c+11}{11}$

fill in the blanks to make each statement true.

a) $\frac{8}{c} = \frac{15}{11}$ b) $\frac{15}{8} = \frac{11}{c}$

c) $88 = 15c$ d) $\frac{23}{15} = \frac{c+11}{11}$

4. The scale on a drawing of a truck is 2 : 27
Round answers to the nearest hundredth.

a) If the truck is 10 feet wide how wide is the truck in the drawing. Give your answer in inches.

Handwritten notes:

- $\frac{2}{27} = \frac{x}{10ft}$
- $x = 0.74 ft$
- $\frac{x \cdot 12 in}{1 ft} = 8.89 in$

b) If the drawing of the truck is 9.5 inches tall how tall is the actual truck. Give your answer in feet.

Handwritten notes:

- $\frac{2}{27} = \frac{9.5 in}{x}$
- $126.25 in$
- $\frac{126.25 in}{12} = 10.69 ft$