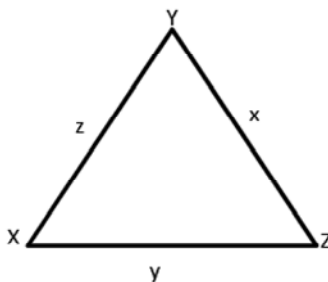
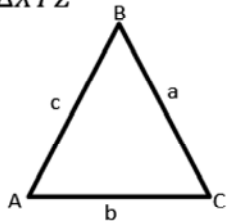


$$\triangle ABC \sim \triangle XYZ$$



1. Find y , if $a = 12$, $x = 33$, $b = 6$
2. Find x , if $b = 6$, $y = 15$, $a = 8$
3. Find a , if $z = 40$, $c = 15$, $x = 30$
4. Find z , if $c = 5$, $x = 48$, $a = 20$
5. Find b , if $c = 15$, $y = 21$, $z = 27$
6. Find a , if $b = 5\frac{1}{2}$, $y = 4$, $x = 3$
7. Find c , if $b = 4\frac{1}{2}$, $y = 15$, $z = 24$
8. Find x , if $b = 6$, $a = 6.9$, $y = 10.2$
9. A tree casts a shadow 50 meters long. If a man who is 2.1 meters tall casts a shadow 4.9 meters long, how tall is the tree? Round answer to the nearest tenth.
10. A building casts a shadow of 33.5 yards long. If a yardstick casts a shadow 2.5 yards long, how tall is the building?

Scrambled answers: 11.25, 12, 4.125, 16.5, $\overline{11.6}$, 20, 11.73, 13.4, 7.2, 21.4