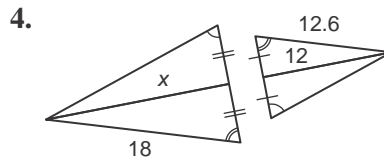
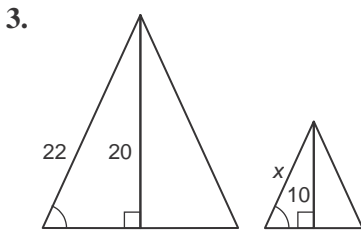
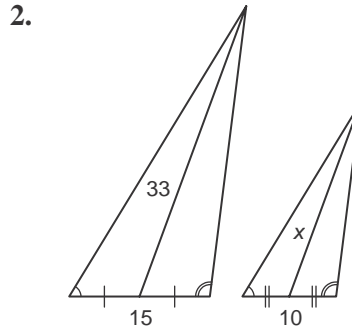
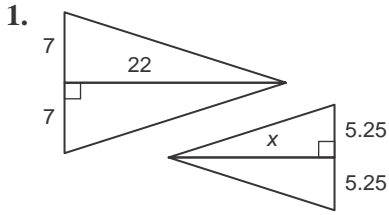


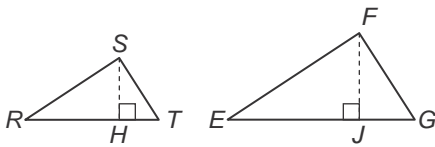
# 7-5 Skills Practice

## Parts of Similar Triangles

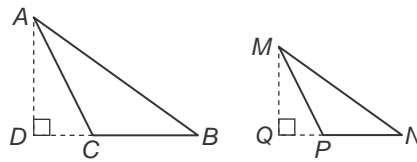
Find  $x$ .



5. If  $\triangle RST \sim \triangle EFG$ ,  $\overline{SH}$  is an altitude of  $\triangle RST$ ,  $\overline{FJ}$  is an altitude of  $\triangle EFG$ ,  $ST = 6$ ,  $SH = 5$ , and  $FJ = 7$ , find  $FG$ .



6. If  $\triangle ABC \sim \triangle MNP$ ,  $\overline{AD}$  is an altitude of  $\triangle ABC$ ,  $\overline{MQ}$  is an altitude of  $\triangle MNP$ ,  $AB = 24$ ,  $AD = 14$ , and  $MQ = 10.5$ , find  $MN$ .



Find the value of each variable.

