Practice 5-5

$\triangle MNO \sim \triangle JKL$. **Complete each statement.**
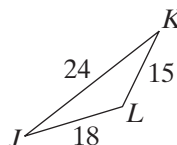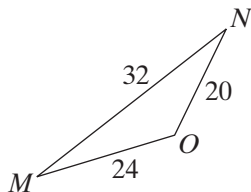
1. $\angle M$ corresponds to _____ .

2. $\angle L$ corresponds to _____ .

3. $\overline{JL}$ corresponds to _____ .

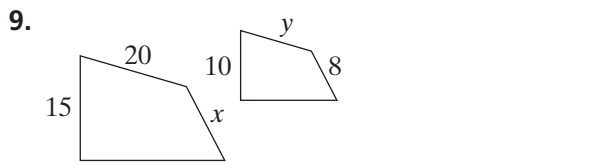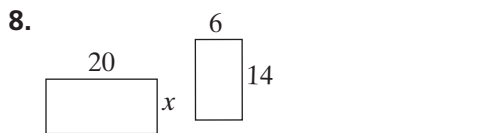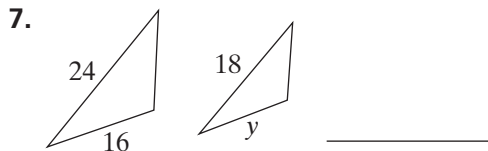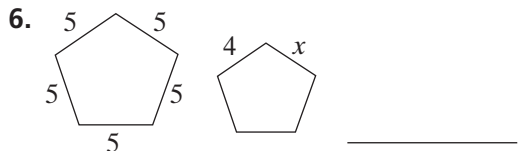**4.** $\overline{MN}$ corresponds to _____ .

5. What is the ratio of the lengths of the corresponding sides? _____

The pairs of figures below are similar. Find the value of each variable.

6.

_____

7.

_____

8.

_____

9.

_____

10.

_____

11.

_____
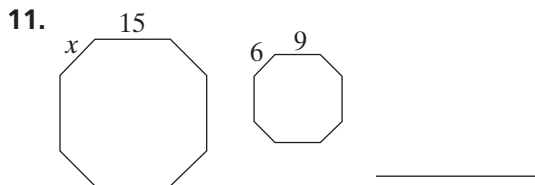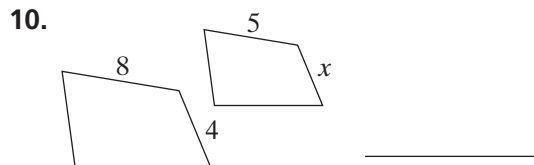
12. On a sunny day, if a 36-inch yardstick casts a 21-inch shadow, how tall is a building whose shadow is 168 ft?

_____

13. Oregon is about 400 miles from west to east, and 300 miles from north to south. If a map of Oregon is 15 inches tall (from north to south), about how wide is the map?

_____