

Practice Worksheet for Lessons 7-1 and 7-2

Name:

Mailbox #:

Use the given diagram to express each ratio in simplest form.

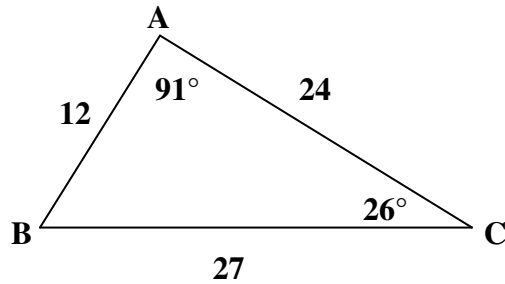
1) $AB:AC$

2) BC to AC

3) $\frac{BC}{AB}$

4) $\frac{m\angle C}{m\angle A}$

5) $m\angle B : m\angle C$



Express the ratio of $AB:AD$ in simplest form.

6) $AB = 5m$ $AD = 2m$

7) $AB = 8cm$ $AD = 8m$

Find the measure of each angle for #8 and 9.

8) Two complementary angles have measures in the ratio 2:3

9) The measures of the angles of a triangle are in the ratio 3: 4: 5.

10) The perimeter of a triangle is 48 cm and the lengths of the sides are in ratio 2: 2: 5. Find the length of each side.

11) The ratio of the measures of the exterior angles of a pentagon is 2:3:4:4:5. Find the measure of each exterior angle.

12) Using the answer from #11 find the measure of the largest interior angle.

Use the given diagram and the fact that $\frac{AD}{DC} = \frac{AB}{BC}$ to fill in the table.

| AD | DC | AC | AB | BC |
|----|----|----|----|----|
| 4 | 6 | | 8 | |
| 8 | | | 16 | 18 |
| | | 13 | 15 | 24 |