

CHAPTER 7: SIMILAR POLYGONS**NOTES SECTION 7.1: RATIO AND PROPORTION****RATIO****PROPORTION****1-7: Express each ratio in simplest form.**

1) $AB : AC$

2) BC to AC

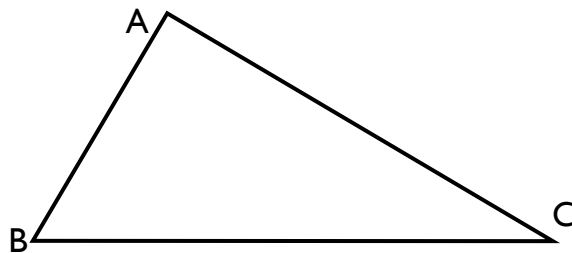
3) $\frac{BC}{AB}$

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

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

6) the length of the shortest side to the length of the longest side

7) the measure of the largest angle to the measure of the smallest angle



8-12: Express the ratio $AB : AD$ in simplest form.

	8)	9)	10)	11)	12)
AB	5 m	12 cm	1 m	25 cm	8 cm
AD					
$AB : AD$					

13-17: Find the measure of each angle.

13) Two complementary angles have measures in the ratio _____.

14) Two supplementary angles have measures in the ratio _____.

15) The measures of the angles of a triangle are in the ratio _____.

16) The ratio of the measures of the exterior angles of a pentagon is _____. Find the measure of the largest interior angle.

17) The perimeter of a triangle is 48 cm and the lengths of the sides are in the ratio _____. Find the length of each side.