

Pre-Opportunity for the second part of Chapter 3

Name _____

1) Find the measure of angle A.

1) _____

2) Is angle A acute, obtuse or right.

2) _____

3) What is the measure of the compliment of angle A above?

3) _____

4) Find the measure of angle B.

4) _____

5) Is angle B acute, obtuse or right?

5) _____

6) What is the measure of the supplement of angle B above.

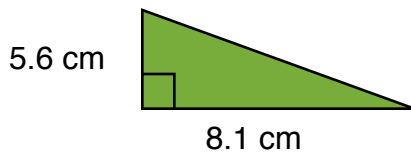
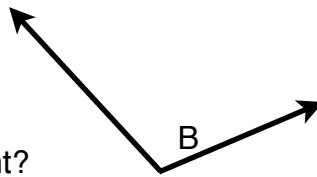
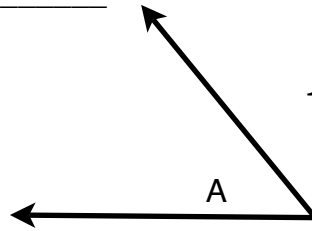
6) _____

7) Construct an angle with measure 98° .

7) _____

8) Using the Pythagorean theorem find the measure of the missing side. Round your answer off to the nearest hundredths.

8) _____

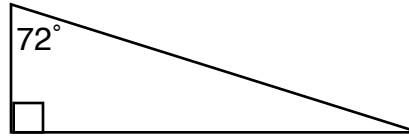


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9) All the interior angles of a triangle add up to a total of how many degrees?

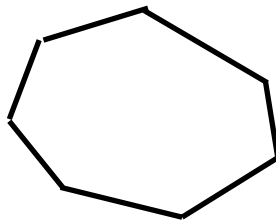
9) _____

10) Find the measure of the missing angle.



10) _____

11) Find the total of all the interior angles of this polygon



11) _____

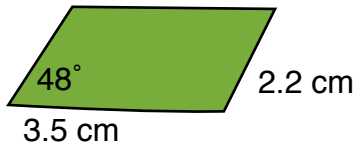
12) What is the name of the polygon above?

12) _____

13) Construct a triangle with a 63° angle between sides with length 3.2 cm and 4.8 cm.

13) _____

14) Construct an accurate drawing of this parallelogram with these given dimensions. In the space provided.



14) _____

15) _____

15) Solve for r

$$9.6r - 25 = 102$$

16) _____

16) Solve for b

$$\frac{b}{8} - 14.2 = 49$$