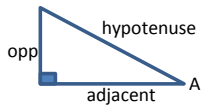
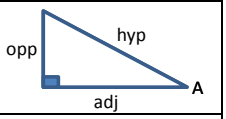
Name: _____

HAMILTON-WENHAM REGIONAL HIGH SCHOOL

Trigonometry Semester Exam Part II

Directions

Calculate the answer to each question. Round your answer to the nearest 1/10 meter or degree. (one decimal place)

Question Number	Question	Answer	
1	The side of a right triangle opposite angle A has a length 12cm. The hypotenuse is 42cm. What is the measure of angle A?		
2	The side of a right triangle adjacent to angle A has a length 3cm. The hypotenuse is 24cm. What is the measure of angle A?		
3	The side of a right triangle opposite angle A has a length 18cm. The hypotenuse is 58cm. What is the measure of angle A?		
4	The side of a right triangle adjacent to angle A has a length 17cm. The hypotenuse is 50cm. What is the measure of angle A?		
5	The side of a right triangle opposite angle A has a length 4cm. The side adjacent to angle A is 31cm. What is the measure of angle A?		
6	The side of a right triangle opposite angle A has a length 22cm. The side adjacent to angle A is 26cm. What is the measure of angle A?		
7	The side of a right triangle adjacent to angle A has a length 5cm. The hypotenuse is 24cm. What is the measure of angle A?		
8	The side of a right triangle opposite angle A has a length 5cm. The side adjacent to angle A is 23cm. What is the measure of angle A?		
9	The side of a right triangle opposite angle A has a length 23cm. The hypotenuse is 40cm. What is the measure of angle A?		
10	The side of a right triangle opposite angle A has a length 5cm. The hypotenuse is 39cm. What is the measure of angle A?		