

HAMILTON-WENHAM REGIONAL HIGH SCHOOL
Semester Exam Part II

Name: _____

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Directions Solve each triangle. Where appropriate, give angle measures to the nearest tenth of a degree and side lengths in simplest radical form or to three significant digits.
Show all of your work.

Question Number	Question		
1	$w = 3 \text{ cm}$, $x = 15 \text{ cm}$, $Y = 70 \text{ degrees}$.	$W =$ $X =$ $Y =$	
2	$e = 7 \text{ cm}$, $f = 16 \text{ cm}$, $G = 60 \text{ degrees}$.	$E =$ $F =$ $G =$	
3	A triangle with side lengths $a = 9$, $b = 13$, and $c = 20$.	$A =$ $B =$ $C =$	20.2 degrees 29.9 degrees 129.87 degrees