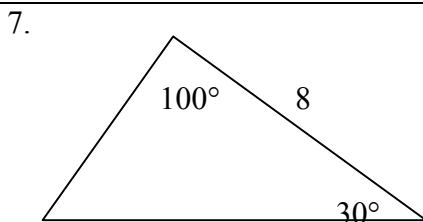
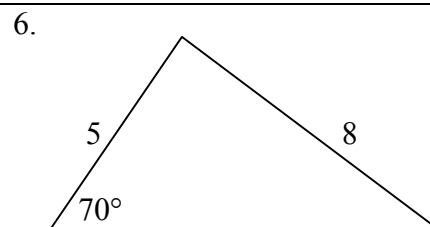
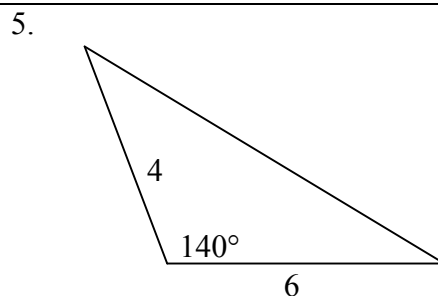
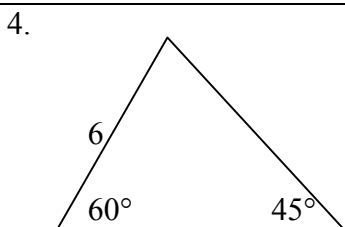
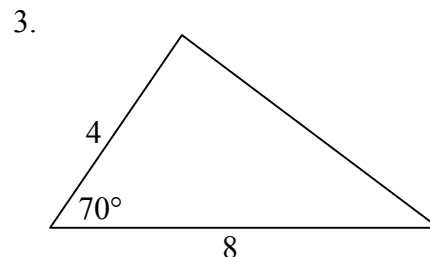
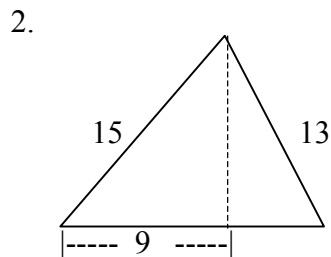
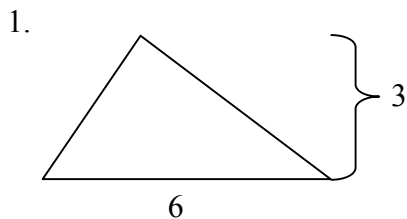
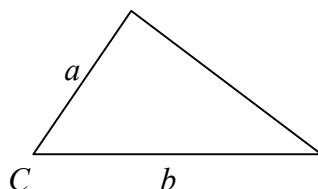


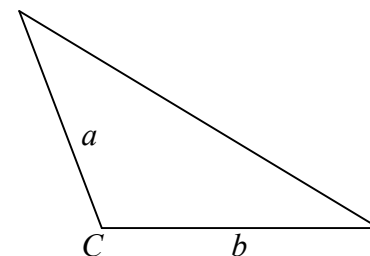
Using your knowledge of area of a triangle, right triangle trigonometry and the Pythagorean Theorem.
Find the area of each triangle below. Round your FINAL answer to one decimal place.



8. Using the given information, find the area of the triangle (NOTE: a , b , and C will be in the formula).

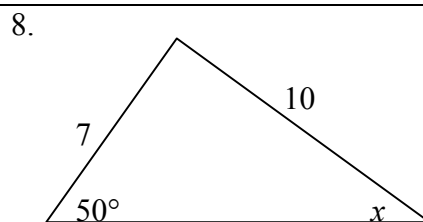
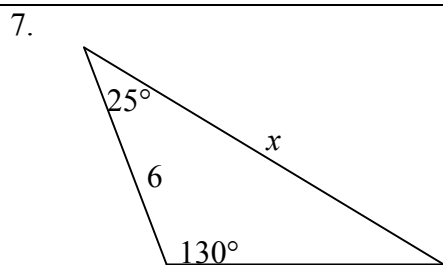
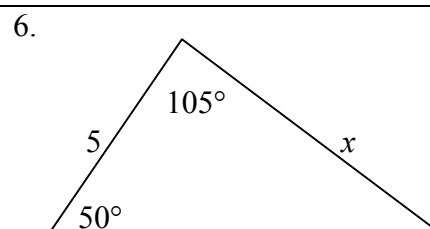
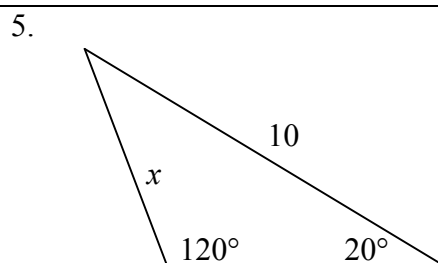
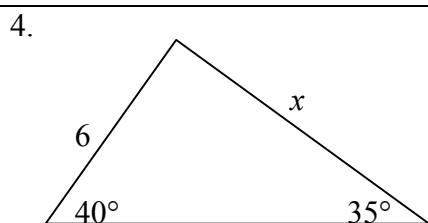
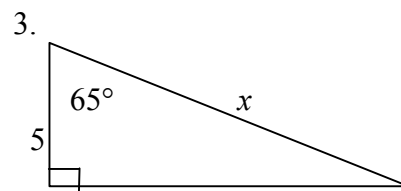
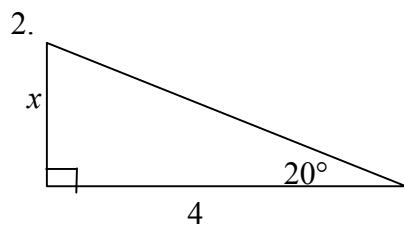
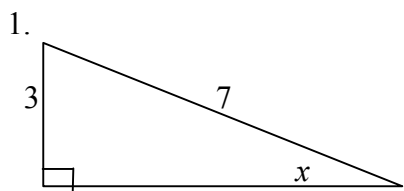


9. Using the given information, find the area of the triangle (NOTE: a , b , and C will be in the formula).

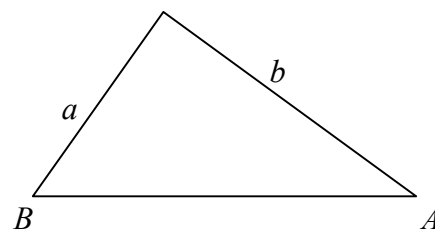


Developing the Law of Sines Formula

Using your knowledge of right triangle trigonometry and the Pythagorean Theorem, solve for x .
Round your FINAL answer to one decimal place.



9. Given a , A , and B , solve for b .



Developing the Area of a Triangle Formula Ans

1. Area = 9	2. Area = 84	3. Area = 15.0
4. Area = $\frac{9\sqrt{3}+27}{2}$ or Area ≈ 21.3	5. Area = 7.7	6. Area = 19.2
7. Area = 20.6	8. Area = $\frac{1}{2}ab\sin(C)$	9. Area = $\frac{1}{2}ab\sin(180^\circ - C)$ = $\frac{1}{2}ab\sin(C)$

Developing the Law of Sines Formula Answers

1. $x = 25.4^\circ$	2. $x = 1.5$	3. $x = 11.8$
4. $x = 6.7$	5. $x = 3.9$	6. $x = 9.1$
7. $x = 10.9$	8. $x = 32.4^\circ$	9. $b = \frac{a \cdot \sin(B)}{\sin(A)}$ or $\frac{\sin(A)}{a} = \frac{\sin(B)}{b}$ or $\frac{a}{\sin(A)} = \frac{b}{\sin(B)}$

