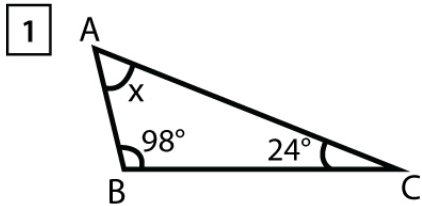


Name : \_\_\_\_\_

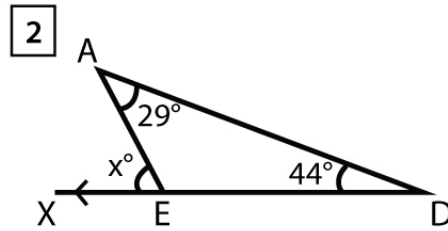
Score : \_\_\_\_\_ Date : \_\_\_\_\_

**Triangle Sum Theorem and Exterior Angle Theorem Worksheet**

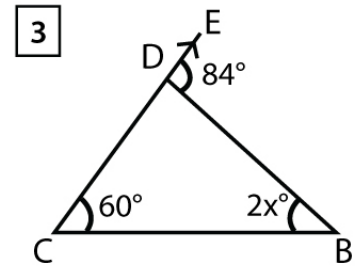
Find the measure of each unknown angle.



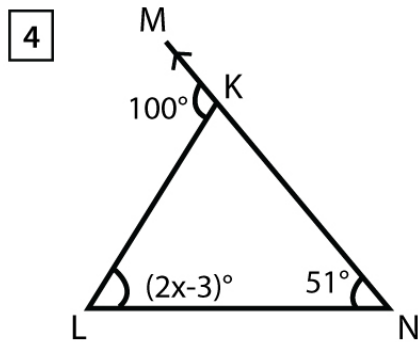
$\angle BAC = \underline{\hspace{2cm}}$



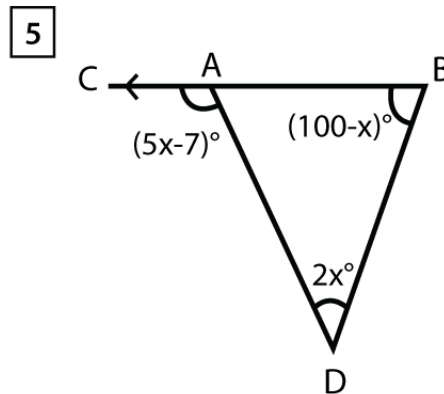
$\angle AEX = \underline{\hspace{2cm}}$



$\angle DBC = \underline{\hspace{2cm}}$

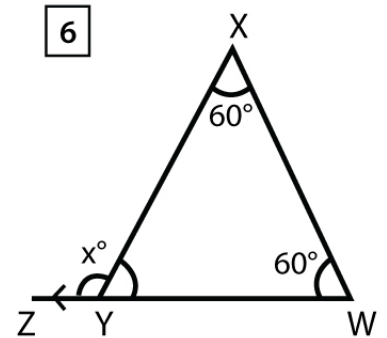


$\angle KLN = \underline{\hspace{2cm}}$

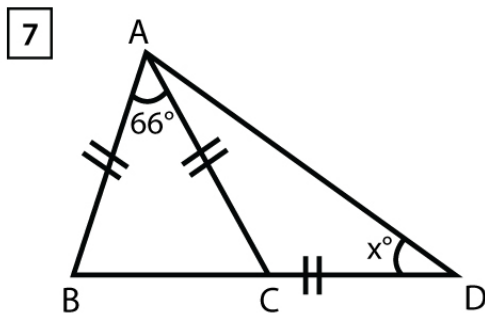


$\angle DBA = \underline{\hspace{2cm}}$

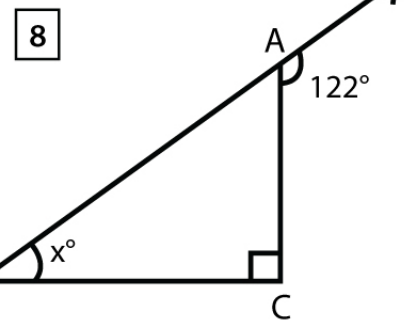
$\angle CAD = \underline{\hspace{2cm}}$



$\angle XYZ = \underline{\hspace{2cm}}$



$\angle ADC = \underline{\hspace{2cm}}$



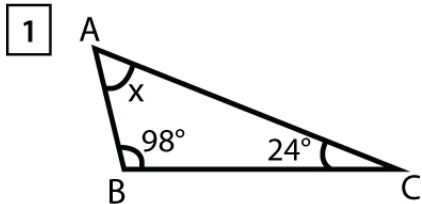
$\angle AEC = \underline{\hspace{2cm}}$

Name : \_\_\_\_\_

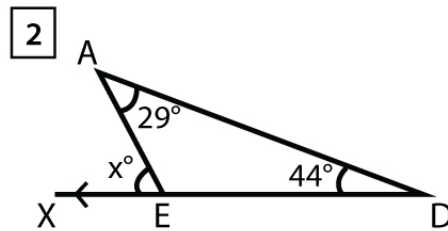
Score : \_\_\_\_\_ Date : \_\_\_\_\_

**Triangle Sum Theorem and Exterior Angle Theorem Worksheet**

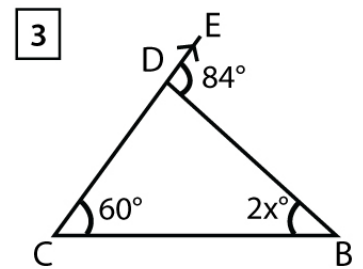
Answers



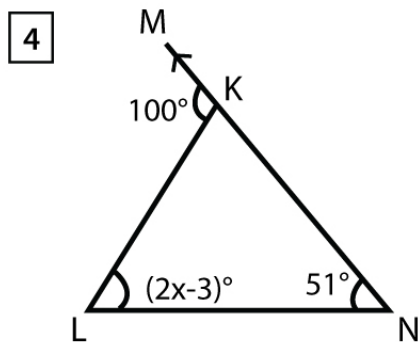
$\angle BAC = 58^\circ$



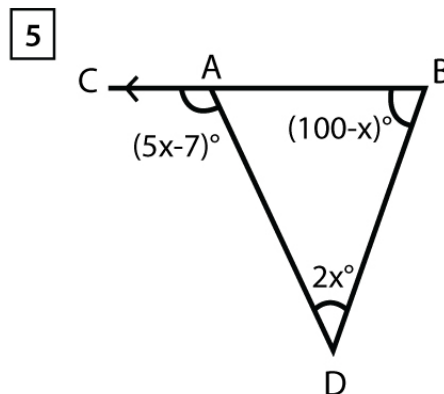
$\angle AEX = 73^\circ$



$\angle DBC = 24^\circ$

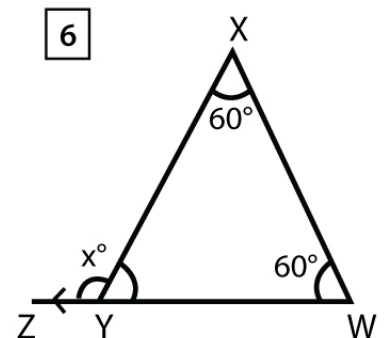


$\angle KLN = 49^\circ$

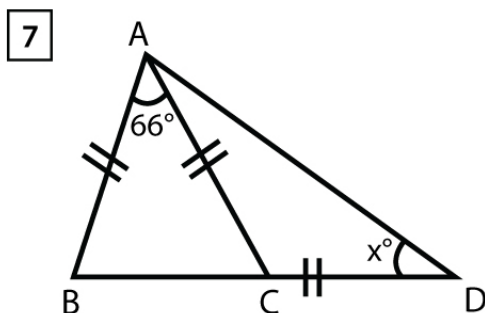


$\angle DBA = 73.25^\circ$

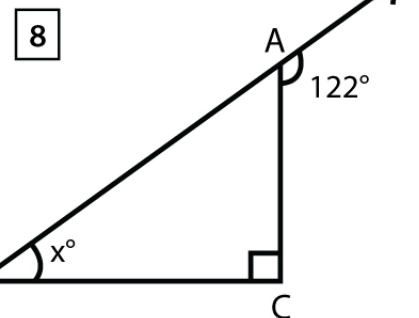
$\angle CAD = 126.75^\circ$



$\angle XYZ = 120^\circ$



$\angle ADC = 28.5^\circ$



$\angle AEC = 32^\circ$