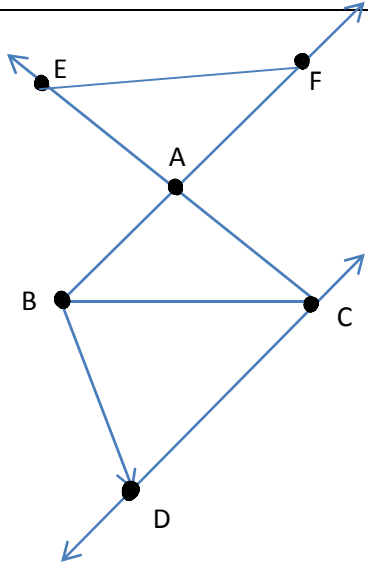
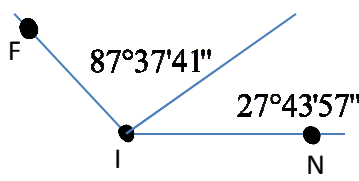
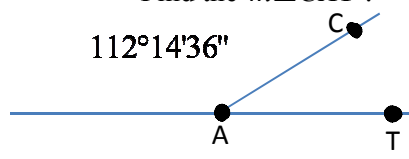




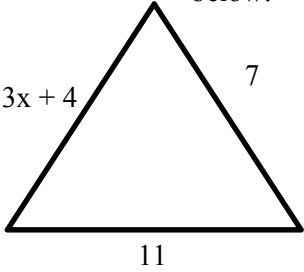

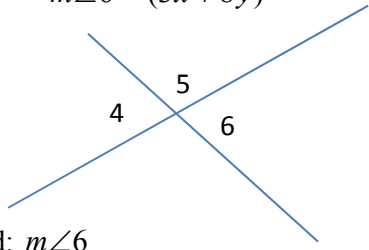

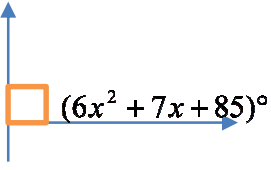


What are we learning in the Introduction to Geometry Chapter?

**Please indicate how you feel about the required topics in this unit. **

Objective	Example	Answer	Rating
Name geometric figures accurately		$\overline{EF}, \overline{CE}, \overline{CD},$ $\angle FEA, \Delta FEA$	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Determine the union or intersection of geometric figures		$\overline{FA} \cup \overline{AB} = \overline{FB}$ $\overline{FA} \cap \overline{AB} = A$	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Understand appropriate assumptions from diagrams		F, A, and B are collinear E, F, and A are non-collinear $\angle FAB$ is a straight angle A is between F and B E and B are collinear	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Write in degrees	Write in degrees: $14^\circ 45' 20''$	$14\frac{34}{45}^\circ$	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Write in degrees, minutes, and seconds	Write in degrees, minutes, and seconds: $16\frac{5}{8}^\circ$	$16^\circ 37' 30''$	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Find the angle measure made between the hour hand and minute hand	Find the angle measure made between the hour hand and minute hand for 2:24.	72°	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Add angle measures	Find the $m\angle FIN$. 	$115^\circ 21' 38''$	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Subtract angle measures	Find the $m\angle CAT$. 	$67^\circ 45' 24''$	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Given a conditional statement, write the converse, inverse, and contrapositive statements	Write the converse, inverse, and contrapositive statements for the conditional "If you are a rabbit, then you like to eat carrots" and determine if the statements are true or false. Converse: If you like to eat carrots, then you are a rabbit. (F) Inverse: If you are not a rabbit, then you do not like to eat carrots. (F) Contrapositive: If you do not like to eat carrots, then you are not a rabbit. (T)		<input type="radio"/> <input type="radio"/> <input type="radio"/>

Use chain reasoning to determine a conclusion statement	Use chain reasoning to determine a conclusion from the list of statements below: $\sim q \rightarrow \sim m$ $b \rightarrow \sim q$ $\sim w \rightarrow z$ $\sim a \rightarrow \sim w$ $\sim b \rightarrow \sim z$	$m \rightarrow a$ or $\sim a \rightarrow \sim m$	
Write a proof of a geometric concept	Use two columns for statements and reasons. State givens as they are needed. State assumptions as they are needed. Use conditional statements in your reasons.		
Division of angles and segments	Apply bisect, trisect, and midpoint to answer questions.		
Solve a linear equation	Given: $\overline{AG} \cong \overline{KH}, AG = \frac{2}{5}x - 6, KH = \frac{1}{3}x + 4$ Find AG.	AG = 54	
Solve a linear inequality	Write the restrictions on x for the triangle below: 	$0 < x < \frac{14}{13}$	
Solve a system of equations	Given: $m\angle 4 = (7x + y + 10)^\circ$, $m\angle 5 = (x + 4y)^\circ$, $m\angle 6 = (3x + 8y)^\circ$  Find: $m\angle 6$	125°	
Solve a quadratic equation by factoring	Solve for x: 	$x = -\frac{5}{3}, \frac{1}{2}$	