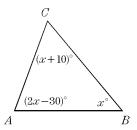
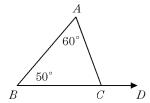
1. In the accompanying diagram, $m \angle A = 2x - 30$, $m \angle B = x$, and $m \angle C = x + 10$. Find the number of degrees in $\angle B$.



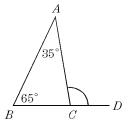
2. The measures of the angles of a triangle are represented by 4x, x + 40, and 2x. Find the value of x.

3. The measures of the angles of a triangle are represented by (3x - 20), (7x + 30), and (2x + 50). Find x.

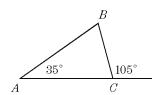
4. In the accompanying diagram, $\angle ACD$ is an exterior angle of $\triangle ABC$. If $m \angle A = 60$ and $m \angle B = 50$, find $m \angle ACD$.



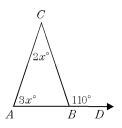
5. In the accompanying diagram, $\angle ACD$ is an exterior angle of $\triangle ABC$. If $m \angle A = 35$ and $m \angle B = 65$, find $m \angle ACD$.



6. In the accompanying diagram of $\triangle ABC$, the measure of an exterior angle at C is 105 and $m \angle A = 35$. Find $m \angle B$.



7. In the accompanying diagram, the measure of exterior angle CBD is 110° . If the measures of the two nonadjacent interior angles are represented by $3x^{\circ}$ and $2x^{\circ}$, find the value of x.



8. In $\triangle ABC$, $m \angle B$ is 10° larger than $m \angle A$, and $m \angle C$ is 5° less than 3 times $m \angle A$. Find $m \angle A$.

9.	The number of degrees in the measures of the angles of a triangle are represented by x , $3x + 7$, and $4x + 5$. Find the value of x .
10.	If the measures of the angles of a triangle are represented by x , $3x + 6$, and $2x - 6$, find the value of x .
10.	If the measures of the angles of a triangle are represented by x , $3x + 6$, and $2x - 6$, find the value of x .
10.	If the measures of the angles of a triangle are represented by x , $3x + 6$, and $2x - 6$, find the value of x .
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10.	If the measures of the angles of a triangle are represented by x , $3x + 6$, and $2x - 6$, find the value of x .
10.	If the measures of the angles of a triangle are represented by x , $3x + 6$, and $2x - 6$, find the value of x .

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1. Answer:	50	
2. Answer:	20	
3. Answer:	10	
4. Answer:	110	
5. Answer:	100	
6. Answer:	70	
7. Answer:	22	
8. Answer:	35	
9. Answer:	21	
10. Answer:	30	