



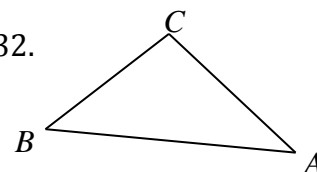
Using Algebra to Find Angle Measures #2

(note that figures are not drawn to scale)

1. _____

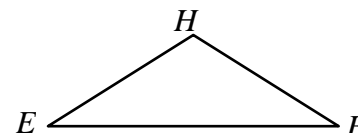
1. In $\triangle ABC$, $m\angle A = 2x - 30$, $m\angle B = x + 10$, and $m\angle C = 4x + 32$.

What is the measure of $\angle A$?



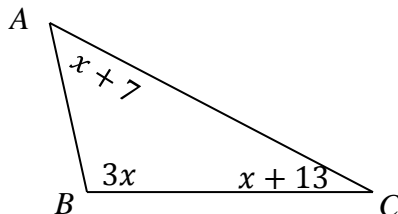
2. _____

2. If the $m\angle H = 94^\circ$ and the $m\angle HEF = 2x + 3$, find the value of x so $m\angle EFH = m\angle HEF$.



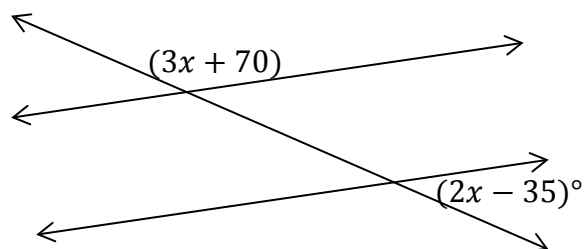
3. _____

3. In the figure below, what is the measure of $\angle B$?



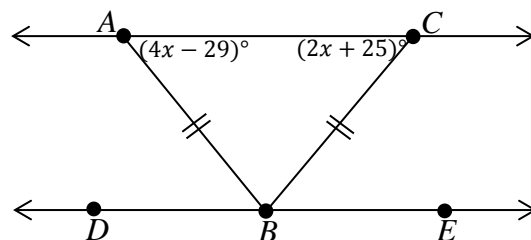
4. _____

4. In the figure below, what is the value of x ?



5. _____

5. Find the $m\angle CAB$?



6. _____

6. What is the $m\angle ABC$?

7. _____

7. If $m\angle ABD = 78^\circ$, what is the $m\angle CBE$?

8. _____

9. _____

Given the figure with $s \parallel t$, $m\angle 2 = 7x$ and $m\angle 5 = 11x$. Find the measure of each numbered angle.

10. _____

8. $m\angle 1 = ?$ 9. $m\angle 4 = ?$

11. _____

10. $m\angle 5 = ?$ 11. $m\angle 7 = ?$

12. _____

12. $m\angle 8 = ?$

