



Name _____ Period _____ Date _____

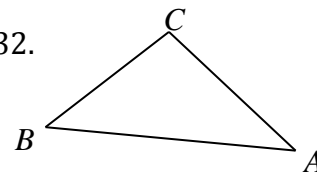
Using Algebra to Find Angle Measures #2

(note that figures are not drawn to scale)

1. _____

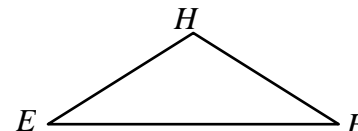
1. In $\triangle ABC$, $m\angle A = 2x - 30$, $m\angle B = x + 10$, and $m\angle C = 4x + 32$.

What is the measure of $\angle A$?



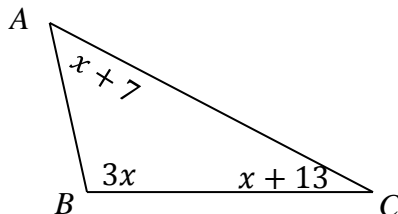
2. _____

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



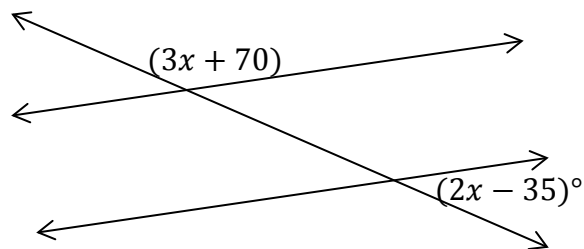
3. _____

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



4. _____

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

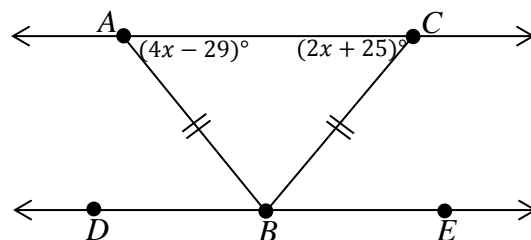


5. _____

6. _____

7. _____

5. Find the $m\angle CAB$?



8. _____

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

9. _____

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

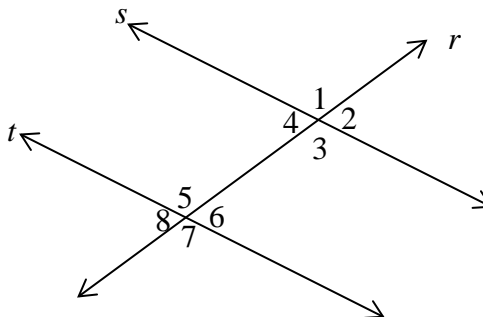
10. _____

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

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

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

12. $m\angle 8 = ?$



11. _____

12. _____