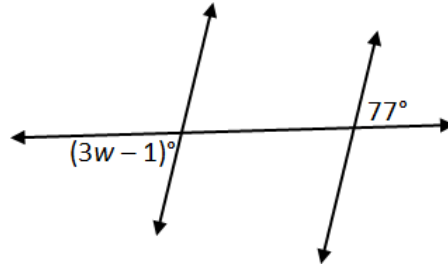


Parallel Lines: Finding the Unknown

Each diagram is formed by two parallel lines and a transversal. Write the equation you can use to find the value of the variable. Then find the value of the variable.

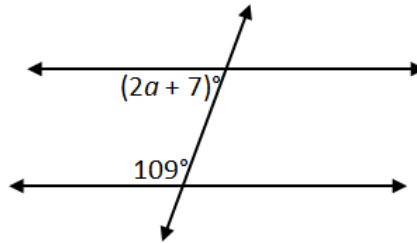
Equation _____

$w =$ _____



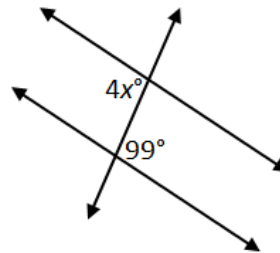
Equation _____

$a =$ _____



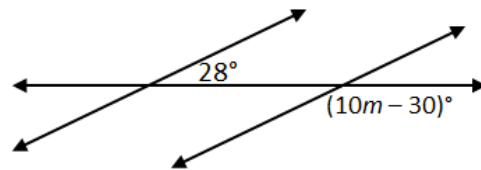
Equation _____

$x =$ _____



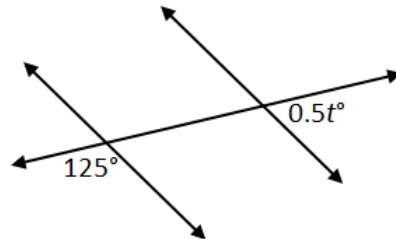
Equation _____

$m =$ _____



Equation _____

$t =$ _____

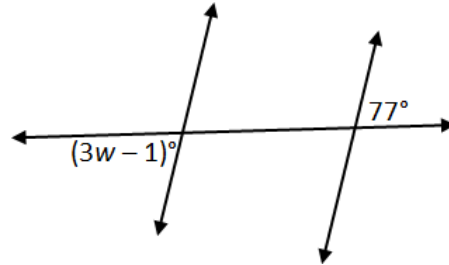


Parallel Lines: Finding the Unknown

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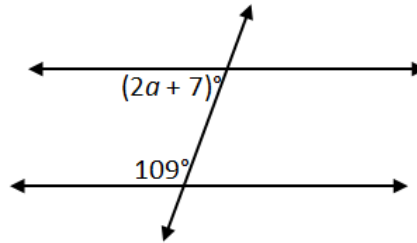
Equation $3w - 1 = 77$

$w =$ 26



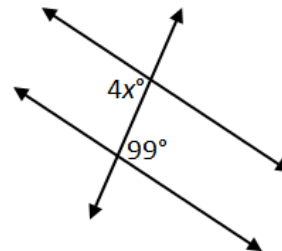
Equation $2a + 7 + 109 = 180$

$a =$ 32



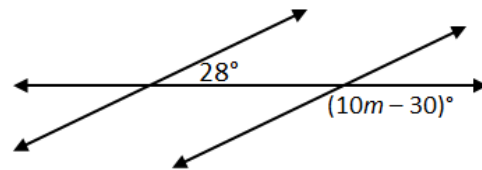
Equation $4x = 99$

$x =$ 24.75



Equation $28 + 10m - 30 = 180$

$m =$ 18.2



Equation $125 + 0.5t = 180$

$t =$ 110

