

If $2(n - 3) + 5 = 3(n - 1)$, then $n = 2$.

<u>Statements</u>	<u>Reasons</u>
$2(n - 3) + 5 = 3(n - 1)$	Given
$2n - 6 + 5 = 3n - 3$	Distribute
$2n - 1 = 3n - 3$	Substitution/Simplify
$-1 = n - 3$	Subtraction Property
$2 = n$	Addition Property
$n = 2$	Symmetric Property

$m\angle A = 60$ and angle B is the supplement of angle A. Prove $m\angle B = 120$.

<u>Statements</u>	<u>Reasons</u>
$m\angle A = 60$ Angle B is the supplement of angle A	Given
$m\angle A + m\angle B = 180$	Definition of supplementary angles
$60 + m\angle B = 180$	Substitution
$m\angle B = 60$	Subtraction Property