Let a and b be integers. Suppose 9-b 1s even. Prove 9+6 is ever

Z {a.b}

Statemat	Just y catur
Statemat a 3 b E Z	Justification This was given
atb, even	This was given
atb 1s an Z	Closure under addition
a-b is an Z	Closure under subfraction
2 9-32h=9 $21b-32j=b$	By definition of even numbers
9-5 2K-2j	By substitution
2 (K-j)	By Jackoving
2(15-1)	K-j integu closure under subtraction
219-6	By definition of