Intermediate Value Theorem Worksheets

Generic Hypotheses	Our Specific Hypotheses
the closed interval $[a, b]$	
the function $f(x)$	
verification that f is continuous on the closed interval $[a, b]$.	
the value of $f(a)$	
the value of $f(b)$	
confirmation that $f(a) \neq f(b)$	
the real number "y"	
verification that y is between $f(a)$ and $f(b)$	
Generic Conclusion	Our Specific Conclusion
"There exists at least one number c in the open interval (a, b) such that $f(c) = y$."	"There exists at least one number c in the open interval _____ such that $f(c) = $ _____."

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