

# Parameters, Return & Abstraction — By Hand

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

AP objective: AAP-3.B/3.C Points: 35

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**Why handwritten, in class:** this replaces a typed task AI can complete. Work every item by hand and **show all your steps** — no AI, phones, or notes. A correct answer with no work earns half credit; the work is what proves it's yours.

## Complete each item by hand — show all work

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1. Write a procedure with two parameters that returns a computed value; call it twice with different arguments — *14 pts*

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2. Show the returned value being USED (stored or displayed) at each call — *8 pts*

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3. Explain how a parameter generalizes your procedure — *8 pts*

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4. Name one library/API you'd use instead of writing code yourself, and why — *5 pts*

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## Oral defense (teacher — 60 sec)

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Student answers one cold question aloud before grading. A student who did their own work can answer instantly; a copied one can't.  Strong  OK  Weak

## Scoring (35 pts)

Criterion	Pts	Earned
Procedure w/ params + return	14	
Return value used	8	
Generalization explained	8	
Library choice justified	5	
<i>Gate</i> : passed oral defense (can explain the work aloud)	req'd	<input type="radio"/> Y <input type="radio"/> N
Total	35	

**Integrity gate:** if the student can't explain their work aloud, cap the score at 50% and require a resubmit.