DIFFERENTIATION AND INTEGRATION LOOPS 1

STUDENT RESOURCE

Differentiation and Integration Loops 1

$$4x^2 + 4x + 6$$

Differentiation and Integration Loops 6x + 2

Differentiate and subtract 2x + 2

ATA

Integrate

MIA

Differentiation and Integration Loops 1

$$3x^2 + 2x + 2$$

Differentiate and subtract 2x - 2

MIA

Differentiation and Integration Loops 1

$$4x + 4$$

Add 2x and integrate

ATM

Differentiation and Integration Loops 1

$$3x^2 + 4x + 2$$

Integrate, double and add 2x

ATA

B

B

Differentiation and Integration Loops 1

$$2x^3 + 4x^2 + 6x$$

Differentiate and subtract $2x^2 + 4x$

ATM

Differentiation and Integration Loops 1

$$2x^3 + 4x^2 + 6x$$

Differentiate and subtract 2x + 6

MIA

Differentiation and Integration Loops 1

$$6x^{2} + 6x$$

Differentiate, halve and add x^2

MIA

Differentiation and Integration Loops 1

$$x^2 + 6x + 3$$

Add $3x^2 - 2x$ and differentiate

ATA

Differentiation and Integration Loops 1

Integrate

$$8x + 4$$

Differentiation and Integration Loops 1

 $4x^2 + 4x + 6$

Differentiate and subtract 2x + 2

Differentiation and Integration Loops 1

$$6x + 2$$

Integrate and add $2x^3 + x^2 + 4x$

Differentiation and Integration Loops 1

$$4x^2 + 4x + 6$$

B

Differentiate

Differentiation and Integration Loops 1

$$8x + 4$$

Differentiate and add 2x-6

AIM

Differentiation and Integration Loops 1

$$2x + 2$$

Add 4x and integrate

MIA

Differentiation and Integration Loops

$$3x^2 + 2x + 2$$

Differentiate and subtract 2x - 2

 $AT\Lambda\Lambda$

Differentiation and Integration Loops 1

$$4x + 4$$

Integrate, multipy by \tilde{x} and add $6\tilde{x}$

Differentiation and Integration Loops 1

$$2x^3 + 4x^2 + 6x$$

Differentiate and subtract $2x^2 + 4x$