

**Edexcel (U.K.) Pre 2017**

**Questions By Topic**

**C1 Chap08 Integration**

**Compiled By: Dr Yu**

**Editors: Betül, Signal, Vivian**

**[www.CasperYC.club](http://www.CasperYC.club)**

**Last updated: February 10, 2026**



[DrYuFromShanghai@QQ.com](mailto:DrYuFromShanghai@QQ.com)

Leave  
blank

1. Find  $\int (2 + 5x^2) dx$ .

(3)

Q1

(Total 3 marks)

Leave  
blank

2. Find

$$\int (8x^3 + 6x^{\frac{1}{2}} - 5) dx$$

giving each term in its simplest form.

(4)

Q2

(Total 4 marks)

Leave  
blank

2. Find  $\int (12x^5 - 8x^3 + 3) dx$ , giving each term in its simplest form.

(4)

Q2

(Total 4 marks)

Leave  
blank

1. Find  $\int (6x^2 + 2 + x^{-\frac{1}{2}}) dx$ , giving each term in its simplest form.

(4)

Q1

(Total 4 marks)



Leave  
blank

1. Find

$$\int \left( 6x^2 + \frac{2}{x^2} + 5 \right) dx$$

giving each term in its simplest form.

(4)

Q1

(Total 4 marks)



Leave  
blank

2. Find

$$\int \left( 10x^4 - 4x - \frac{3}{\sqrt{x}} \right) dx$$

giving each term in its simplest form.

(4)

Q2

(Total 4 marks)

Leave  
blank

2. Find

$$\int (12x^5 - 3x^2 + 4x^{\frac{1}{3}}) dx$$

giving each term in its simplest form.

(5)

Q2

(Total 5 marks)























