



$$A = \begin{pmatrix} f_1 & f_2 & \dots & f_n \\ f_1 & f_2 & \dots & f_n \\ \vdots & \vdots & \ddots & \vdots \\ f_1 & f_2 & \dots & f_n \end{pmatrix}$$

1 2 3 4

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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8

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## Commerce

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## Communication Disorders

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1.  $f(x) = x^2 + 2x + 1$

2.  $f(x) = x^2 + 2x + 1$   
 $f'(x) = 2x + 2$   
 $f''(x) = 2$

**3.**

3.  $f(x) = x^3 + 3x^2 + 2x + 1$   
 $f'(x) = 3x^2 + 6x + 2$   
 $f''(x) = 6x + 6$   
 $f'''(x) = 6$

**4.**

4.  $f(x) = x^4 + 4x^3 + 6x^2 + 4x + 1$   
 $f'(x) = 4x^3 + 12x^2 + 12x + 4$   
 $f''(x) = 12x^2 + 24x + 12$   
 $f'''(x) = 24x + 24$   
 $f^{(4)}(x) = 24$

**5.**

5.  $f(x) = x^5 + 5x^4 + 10x^3 + 10x^2 + 5x + 1$   
 $f'(x) = 5x^4 + 20x^3 + 30x^2 + 20x + 5$   
 $f''(x) = 20x^3 + 60x^2 + 40x + 5$   
 $f'''(x) = 60x^2 + 120x + 40$   
 $f^{(4)}(x) = 120x + 120$   
 $f^{(5)}(x) = 120$

**6.  $R^k$**

6.  $f(x) = x^k + kx^{k-1} + \frac{k(k-1)}{2}x^{k-2} + \dots + 1$   
 $f'(x) = kx^{k-1} + k(k-1)x^{k-2} + \dots + k$   
 $f''(x) = k(k-1)x^{k-2} + k(k-1)(k-2)x^{k-3} + \dots + k(k-1)$   
 $f'''(x) = k(k-1)(k-2)x^{k-3} + \dots + k(k-1)(k-2)$   
 $f^{(k)}(x) = k!$





1.  $\int \frac{1}{x^2} dx = -\frac{1}{x} + C$

2.  $\int \frac{1}{x^3} dx = -\frac{1}{2x^2} + C$

3.  $\int \frac{1}{x^4} dx = -\frac{1}{3x^3} + C$

4.  $\int \frac{1}{x^5} dx = -\frac{1}{4x^4} + C$

5.  $\int \frac{1}{x^6} dx = -\frac{1}{5x^5} + C$

6.  $\int \frac{1}{x^7} dx = -\frac{1}{6x^6} + C$

7.  $\int \frac{1}{x^8} dx = -\frac{1}{7x^7} + C$

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# Appendix A

1. The first section of the document discusses the importance of maintaining accurate records of all financial transactions.

2. This section outlines the various methods used to collect and analyze data for the study.

3. The following table provides a detailed breakdown of the results obtained from the experiments.

4. It is important to note that the data presented here is preliminary and subject to further review.

5. The results of this study have significant implications for the field of research.

6. The data shows a clear trend in the relationship between the variables studied, which is consistent with previous findings.

7. The study concludes that the proposed model is a valid representation of the system under investigation.

(as of November 2005)

\*formerly, the Faculty of Visual and Performing Arts





Table 1: List of members of the Board of Directors

Name	Title	Date Appointed	Appointed to
John Doe	Chairman	11/15/2011	8/15/2011

Table 2: List of members of the Board of Directors

Name	Title	Date Appointed	Appointed to
John Doe	Chairman	11/15/2011	8/15/2011

Table 3: List of members of the Board of Directors

Name	Title	Date Appointed	Appointed to





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# College of Science

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College of Science			


Name	Title	Date Appointed	Appointed to
A. R. H.	R. H.	R. H.	R. H.
R. H.	R. H.	R. H.	R. H.





# Giggles & Ziggies



Dr Yvonne Shanahan

## Professor

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## Associate Professor

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## Senior Lecturer

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Associate Professor

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Senior Lecturer

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Professor Michael P Robb



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**Lecturer**

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*Professor John Gibson*

**Professor**

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**Associate Professor**

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**Senior Lecturer**

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**Senior Tutor**

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*Professor*

**Professor**

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**Associate Professor**

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**BTChLn Programme Co-Ordinator**

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I rtm

**CEM Centre Manager**

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**Clinical Educator**

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**Teacher/Educator**

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*Professor Patrick S. Badger*

**Professor**

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**Associate Professor**

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**Professor Bob Hamilton**

**Professor**

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**Associate Professor**

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**Senior Tutor**

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*Professor Timothy David*

**Professor**

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**Associate Professor**

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**Senior Lecturer**

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Associate Professor

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Senior Lecturer

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**Human Resources Advisor**

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**College Manager**

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Human Resources Advisor

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**College Manager**

H b r S i J ut g j 2 HG

Academic Manager

Q u h k r & n o r o v y 2 HG 2 G j | J v Z i n n 2 W / G V

Student Advisor

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Human Resources Advisor

I ngx s g d k & z n k l ur j 2 6 0 1

**School Manager**

G t t & l u n g t 2 M i . U n o i /

Academic and Student Manager

**School Manager**

G t t & l u n g t 2 M i . U n o i /

Academic and Student Manager