1. Express f(x) in partial fractions
2. Hence find the series expansion of f(x) is ascending powers of x up to and including the term in
3. Express f(x) in partial fractions
4. Hence find the series expansion of f(x) is ascending powers of x up to and including the term in
5. Express f(x) in partial fractions
6. Hence find the series expansion of f(x) is ascending powers of x up to and including the term in
7. Express f(x) in partial fractions
8. Hence find the series expansion of f(x) is ascending powers of x up to and including the term in

Answers

1 a)

b)

2 a)

b)

3 a)

b)

4 a)

b)

Answers

1 a)

A =

B=

C=

D=

1b)

A=

B=

C=

D=

2 a)

A=

B=

C=

D=

2b)

A=

B=

C=

D=

3a)

A=

B=

C=

D=

3b)

A=

B=

C=

D=

4 a)

A=

B=

C=

D=

4b)

A=

B=

C=

D=