**Partial fraction 1**

1. Partial fraction:

**2.** Partial fraction:

(1)

(2)

(3)

3. Partial fraction:

Let

Then

Hence

Hence

Consider

Then

4. Partial fraction:

Let

Then

Hence

5. Partial fraction:

The two factors in the denominator are quite close.

However, the numerator cannot be rewriten as .

Now, is familiar.

We don’t like the term.

Working on another factor,

Hence . Bingo!

6. Partial fractions

7. Partial fraction:

8. Partial fraction:

9. Partial fraction:

(1)

(2) Let

(3)

10. Partial fraction:

**(1)**

**(2)**

**(3)**

, by (2)

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