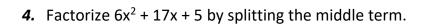
Examples:

1. Find value of k, if (x - 1) is factor of $p(x) = kx^2 - 3x + k$.

2. Factorise $2y^3 + y^2 - 2y - 1$.

- 3. Which of the following is a factor of $6x^3 + 5x^2 2x 1$? (Ans: B)
 - a. x-1
 - b. 2x 1
 - c. 3x 1
 - d. 4x 1



5. Factorize
$$ab + bc + ax + cx$$

6. If Both
$$(x + 1)$$
 and $(x - 1)$ are factors of $ax^3 + x^2 - 2x + b$. Find a and b. (Ans: $a = 2$ and $b = -1$)

7. Factorize $3x^3 - x^2 - 3x + 1$.

8. If $x^2 - 1$ is a factor of $ax^4 + bx^3 + cx^2 + dx + e$, show that a+b+c+d+e = 0