

Questions are taken from the course book '*Physics with modern physics*', Richard Wolfson & J. M. Pasachoff,

Question

Integrate the following expressions wrt x :

- a) x^6
- b) $3x + x^2$
- c) $1/x^2$
- d) $ax + b$, where a and b are constants
- e) $x^p + x^q$, where p and q are constants