



1- أحسب قيمة  $\int (2s - 3)^4 ds$ .

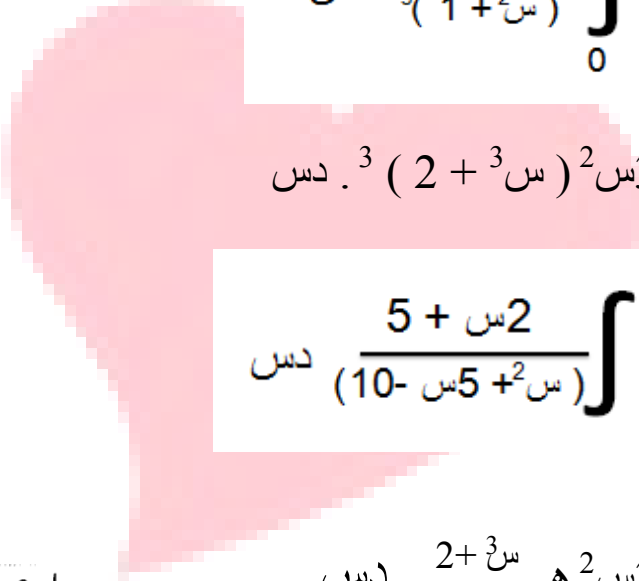
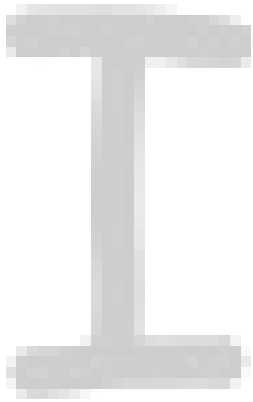
جد  $\int \frac{s^3}{\sqrt{s^2+16}} ds$

2- جد  $\int \frac{s+1}{\sqrt{s^2+2s+5}} ds$ .

3- جد  $\int_0^1 \frac{s}{(1+s^2)^3} ds$ .

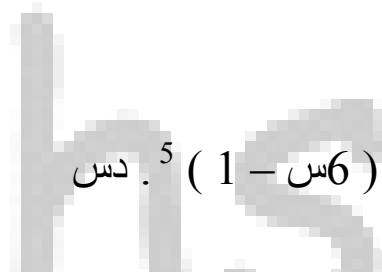
4- جد  $\int 3s^2(2+s^3)^3 ds$ .

5- جد  $\int \frac{2s+5}{(s^2+5s-10)} ds$ .



اوجد  $\int s^2(s-3) ds$

6- جد  $\int 3s^2 e^{s^3+2} ds$ .



7- جد  $\int_0^1 (6s-1)^5 ds$ .

ب-  $\int (2-s)^2 ds$ .

8- أ- جد  $\int \frac{1}{1+5s} ds$ .

اوجد  $\int (s^2+1)(s^3+5s^2+5s+5) ds$

9- جد  $\int_0^1 6s(2+s^2)^2 ds$ .

اوجد  $\int \frac{s^4-s^2}{(s^2+5s+1)^2} ds$

10-  $\int_0^1 30s(6s^2) ds$ .