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## 2 point Gauss quadrature

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```
function I = gauss_2pnt(f, a, b)

const1 = (b-a)/2;
const2 = (b+a)/2;
const3 = 1/sqrt(3);

I = const1*(f(const2-const1*const3)+f(const2+const1*const3));

end
```

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