

1. (deforindef:set1)

For each of the following, state whether the object is a function or a number. If it is a function, state what variable it is a function of.

(a) $\int_1^x e^{\cos(t)} dt$

(b) $\int_1^3 \sin(s) ds$

(c) $\int \ln(x) dx$

(d) $\int_t^{t^3} \ln(\cos(x)) dx$

2. (deforindef:set2)

For each of the following, state whether the object is a function or a number. If it is a function, state what variable it is a function of.

(a) $\int_e^x e^{\sec^2(\ln(t))} dt$

(b) $\int \arcsin(x) dx$

(c) $\int_1^3 \arctan(s) ds$

(d) $\int_0^{\pi t} \arccos(x) dx$