(1) 
$$\int (\sqrt{x} + 1)(\sqrt{x^3} - 1)dx$$

(2) [2018] 
$$\int e^{2x} \arctan \sqrt{e^x - 1} dx$$



(1) [2015] 
$$\int x^2 \sqrt{2-x^2} dx$$

(1) [2015] 
$$\int x^2 \sqrt{2-x^2} dx$$
 (2) [2014]  $\int \frac{1}{x^2+2x+5} dx$ 



(1) [2011] 
$$\int \frac{\arcsin\sqrt{x} + \ln x}{\sqrt{x}} dx$$
 (2)

(2) [2009] 
$$\int \ln(1+\sqrt{\frac{1+x}{x}})dx$$
 (x > 0)



$$(1)$$
[2015] $\int \frac{1}{x \ln x} dx (x > 1)$ 

$$(2) \int \frac{x}{1 + \cos x} dx$$

$$(1)[2015] \int \frac{1}{x \ln x} dx \ (x > 1)$$
 
$$(2) \int \frac{x}{1 + \cos x} dx$$
 
$$(3) \int \frac{\arccos x}{\sqrt{(1 - x^2)^3}} dx \ (x > 0)$$

