Worksheet for 11/18/13]

Review: give some antidenivative for each function.

$$m) \frac{1}{\sqrt{1-x^2}}$$

$$n) \frac{1}{1+x^2}$$

Review them enough that you can produce them almost instantly.

Evaluate:

$$\int_{h}^{1} \frac{1}{\sqrt{x}} dx \quad (in terms of h)$$

6
$$\int_{-\pi/3}^{\pi/3} (2-\sec^2i\theta) d\theta$$

$$8 \int_{-1/2}^{1/2} \frac{1}{\sqrt{1-x^2}} dx$$

Part II

$$\int e^{-2x} dx$$

$$\Im \int \cos(5x+7) dx$$

$$G$$
 $\int 3 \times \sqrt{x^2+1} dx$

$$\frac{7}{\sin^2 x} dx$$

9 Sexcos(ex)dx

(10) \ x\(\text{x+1} \) dx

Challenges (some will be discursed on Thursday)

- (11) \ \(\cos^3 x \sin^2 x dx \)
- (13) Stan 4x dx