

## Work on evaluating these with your partner(s) at the board

1.  $\int 7e^{4x} dx$

4.  $\int \sec(x)^2 \tan(x) dx$

2.  $\int \frac{2x}{1+x^2} dx$

5.  $\int x\sqrt{x+1} dx$

Hint: Let  $u = x + 1$

3.  $\int \frac{\sin(\sqrt{x})}{\sqrt{x}} dx$

Hint: Let  $u = \sqrt{x}$

6.  $\int \frac{1}{1+x^2} dx$