The following problems are due April 02 in class.

1. $\displaystyle\int_1^\infty \frac{1}{x^{3/2}}\, dx$

2. $\displaystyle\int_0^{\frac{\pi}{2}} \frac{\cos(x)}{\sqrt{\sin(x)}}\, dx$

3. $\displaystyle\int_{-\infty}^\infty x^3\, dx$

7.6: 6, 13, 19, 20, 22, 23, 24, 26, 27, 29
8.5: 6, 12, 15, 19, 26