Math 2312: **Pre-Calculus**   *Homework*   *Sec* **5.2**
Professor: Fred Khoury

Write the partial fraction decomposition of each rational expression

1. $\dfrac{2s-1}{(s+1)(s-2)}$

2. $\dfrac{2s-2}{(s-4)(s+2)}$

3. $\dfrac{s^2+1}{s^3-2s^2-8s}$

4. $\dfrac{1}{x^2+2x}$

5. $\dfrac{2x+1}{x^2-7x+12}$