Time: 15min

QUIZ 2

- 1. If $f(x) = \sqrt{1+x}$, find a formula for $f^{-1}(x)$.
- **2.** By appealing to the graph of $y = \frac{1}{x}$, show that

$$\frac{1}{2} + \frac{1}{3} + \dots + \frac{1}{n} < \ln n < 1 + \frac{1}{2} + \frac{1}{3} + \dots + \frac{1}{n-1}.$$

Each problem is worth 5 points.