No notes, books, cellular devices or graphing calculators are to be used.

1. (9.6 #37) Evaluate improper integral
\[ \int_0^\infty 2x(x^2 + 1)^{-3/2} \, dx. \]

2. (9.6 #13) Find the area under the graph if \( y = 1/x^2 \) for \( x \geq 2 \).
3. (7.1 #33) Draw the level curves of heights 0, 1 and 2 for the function \( f(x, y) = 2x - y \).