In-Class Quiz 3:
Limits and continuity (§12.3)

Directions: This quiz is due at the end of lecture.

1. Which of the following limits exist?

   (a) $\lim_{(x,y)\to(1,1)} 3x^{12}y^2$

   (b) $\lim_{(x,y)\to(0,0)} 3x^{-2}y^2$

   (c) $\lim_{(x,y)\to(1,2)} \sqrt{x - y^2}$