Find the limits, if they exist, or type DNE for any which do not exist.

$$\lim_{(x,y)\to(0,0)} \frac{5x^2}{4x^2 + 3y^2}$$

- 1) Along the *x*-axis:
- 2) Along the *y*-axis:
- 3) Along the line y = mx:
- 4) The limit is:

Find the limits, if they exist, or type DNE for any which do not exist.

$$\lim_{(x,y)\to(0,0)} \frac{5x^2}{4x^2 + 3y^2}$$

- 1) Along the x-axis: 1.25
- 2) Along the y-axis: 0
- 3) Along the line y = mx: $5/(4 + 3m^2)$
- 4) The limit is: DNE