Quiz 15 — MA16020 — March 21, 2018
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Remember that $D = f_{xx}f_{yy} - (f_{xy})^2$.

For this quiz, $f(x, y) = x^3 - 3xy - y^3$.

1. (5 points) $f(x, y)$ has two critical points.
   One of them is $(0, 0)$. Find the other one.

2. (5 points) Find the discriminant at $(0, 0)$.