

Match the *direction fields* in the figure files A-F to the following *differential equations*:

- 1) $y' = \ln(1 + x^2 + y^2)$
- 2) $y' = \cos^2(4x)$
- 3) $y' = e^{x^2}$
- 4) $y' = (1 - y^3) \cos x$
- 5) $y' = x^3 + y^4$
- 6) $y' = x^2 - y^2$

