DATE:
Write the equation of the tangent line and normal line for each of the following:

1. $x^{\frac{1}{3}}+y^{\frac{1}{3}}=3$ at $(8,1)$
2. $x \cos y=1$ at $\left(2, \frac{\pi}{3}\right)$
3. $x^{2} y^{2}=9$ at $(-1,3)$
4. $y^{2}-2 x=4 y+1$ at $(-2,1)$
