7. $y = (7x^2 - 5x)^3$ $\begin{pmatrix} x & y \\ 1 & 8 \end{pmatrix}$

① $y' = 3(7x^2 - 5x)^2 \cdot \frac{d}{dx}(7x^2 - 5x)$

$y' = 3(7x^2 - 5x)^2 \cdot (14x - 5)$

② $m = 3(7 \cdot 1^2 - 5 \cdot 1)^2 \cdot (14 \cdot 1 - 5)$

$= 3(7 - 5)^2 \cdot 9$

$= 27(2)^2$

$= 27(4)$

$m = 108$

③ $y = mx + b$

$8 = 108(1) + b$

$8 = 108 + b$

$8 - 108 = b$

$-100 = b$

④ $y = mx + b$

$\boxed{y = 108x - 100}$