

AP Calculus AB Ch. 6 Common Variations of Differential Equations Practice WS

Find the particular solutions for the following differential equations at their given points.

1) $\frac{dy}{dx} = \frac{x}{y}$ at $(-1, -2)$

2) $\frac{dy}{dx} = \frac{y}{x^2}$ at $(-2, 1)$

3) $\frac{dy}{dx} = \frac{y+3}{\sqrt{x}}$ at $(1, 1)$

4) $\frac{dy}{dx} = xy^2$ at $(1, 2)$