

EG02041 Advanced Mathematics
Feedback Quiz (8): First-Order Differential Equations
Total Points: 10

Name:

ID:

Separable Differential Equations

1. **Exercise:** Solve the initial-value problem $\frac{dy}{dx} = \frac{x}{y}$ with initial condition $y(5) = 3$.

Identifying Constant Solutions

2. **Exercise:** Solve $y' - y^2 t \sin(t^2) = 0$.