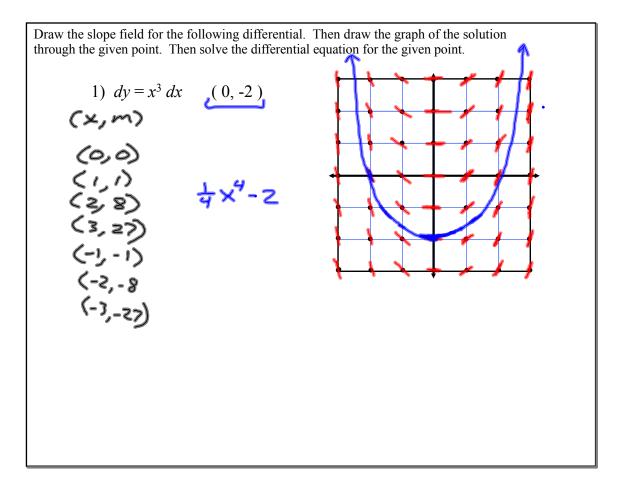
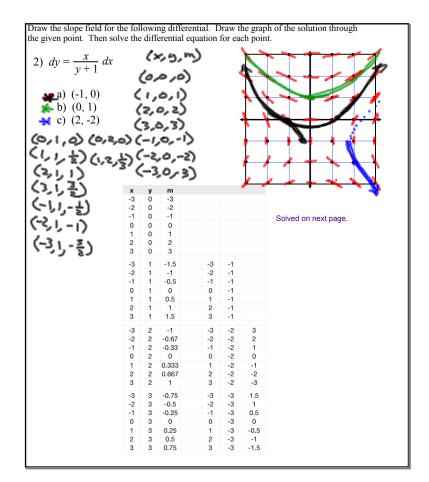
## **Calculus** AB

Slope Fields





2) 
$$dy = \frac{x}{y+1} dx$$
  
 $\int (y+1) dy = \int x dx$  (separation  
 $\frac{1}{2}y^{2} + y = \frac{1}{2}x^{2} + C$   
 $y^{2} + 2y = x^{2} + C$   
 $y^{2} + 2y + 4 = x^{2} + C$   
 $(y+2)^{2} = x^{2} + C$   
 $(y+2)^{2} = x^{2} + C$   
 $(y+2)^{2} = x^{2} + C$   
 $y^{2} + C = 4$   
 $\int (y+2)^{2} = x^{2} + C$   
 $\int (y+2)^{2} + C$