

1. If  $y = \frac{-6t - t^2}{-10 + 5t - 2t^2}$ , find  $y'$ .

2. If  $y = \frac{-3 + 2x^2}{-9 + 2x - 4x^2}$ , find  $y'$ .

3. If  $y = \frac{-4 + 5r - 10r^2}{-4r^2 + 2r + 4}$ , find  $y'$ .