9F Trigonometric Derivatives

1. Given that y = tanx, find $\frac{dy}{dx}$

2. Given that y = cosecx, find $\frac{dy}{dx}$.

3. Given that y = secx, find $\frac{dy}{dx}$.

4. Given that y = cotx, find $\frac{dy}{dx}$.

5. Differentiate:

y = xtan2x

6. Differentiate:

 $y = tan^4x$

7. Differentiate:

$$y = \frac{cosec2x}{x^2}$$

8. Differentiate:

 $y = sec^3 x$

No Arc derivatives on new Spec