

## Aula 17: Sumário

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- Exercícios de revisão.

## Aula 17: Resolução de Testes do ano transacto

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1. Teste 1 (2018)
2. ExameFinal (2018)
3. ExameRecurso (2018)

## Formulário Derivadas

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$$(u^p)' = p u^{p-1} u' \qquad (\arcsen(u))' = \frac{u'}{\sqrt{1-u^2}}$$

$$(\ln u)' = \frac{u'}{u} \qquad (\arctg(u))' = \frac{u'}{1+u^2}$$

$$(\cos u)' = -u' \operatorname{sen} u \qquad (\sec u)' = u' \sec(u) \operatorname{tg}(u)$$

$$(\operatorname{sen} u)' = u' \cos u \qquad (\operatorname{cosec} u)' = -u' \operatorname{cosec}(u) \operatorname{cotg}(u)$$

$$(\operatorname{tg} u)' = u' \sec^2 u \qquad (e^u)' = u' e^u$$

$$(\operatorname{cotg} u)' = -u' \operatorname{cosec}^2 u \qquad (a^u)' = \frac{u' a^u}{\ln a}, \quad a \in \mathbb{R}^+ \setminus \{1\}$$