

**Samples                      Differentiation**

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- 1.** If  $y = \frac{r^2 + 10r}{7r^2 + 2}$ , find  $y'$ .
- 2.** If  $y = \frac{-10h^2 + 10}{h^2 + 7h}$ , find  $y'$ .
- 3.** If  $y = \frac{-4x^2 + 4x}{4x^2 + 10x}$ , find  $y'$ .