

# Exercices du lundi 25 mai 2020

Maths Spécialité Première  
MATHÉMATIQUES



## Exercice 37 page 190

**1.**  $A = \exp(-3x + 1)$       **2.**  $B = \exp(1) = e$

## Exercice 39 page 190

1.  $A = 4\exp(2x)$

2.  $B = \frac{1 - \exp(x)^2}{1 + \exp(x)} = \frac{(1 - \exp(x))(1 + \exp(x))}{1 + \exp(x)} = 1 - \exp(x)$

# Exercice 40 page 190

1.  $\exp(3) \times \exp(2) = \exp(5)$

2.  $\exp(15) = (\exp(5))^3$

3.  $\exp(-5) = \frac{1}{\exp(5)}$

4.  $\exp(-10) = \frac{1}{(\exp(5))^2}$

# Exercice 43 page 190

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1.  $A = e^{2x} + 5e^x$     2.  $B = 1 - 2e^{-x}$     3.  $C = e^{3x} - e^x$