Final Examination – Semester 1

Master 1 – All Tracks | 2025–2026

Full Name: _____ **Track:** _____

Module: English for Technical Purposes **Duration:** 1 hour

Exercise 1: Vocabulary (6 pts)

Fill in the blank spaces with the correct words.

1. The number that comes immediately before a given number is called its: _____
2. The result of a multiplication is called the: _____
3. In the number 5 302, the digit 3 is in the: _____ place.
4. A number that can be written as a ratio of two integers is called a: _____ number.
5. When we _____ two numbers, for example nine minus four, the result is called the: _____

Exercise 2: Translation (4 pts)

1. Translate into French:

- *By definition,* a continuous function preserves limits.
  Answer: _____

- *Therefore,* the equation admits a unique solution.
  Answer: _____

2. Translate into English:

- On suppose que la fonction est dérivable sur cet intervalle.
  Answer: _____

- On en déduit que la suite est croissante.
  Answer: _____

Exercise 3: Number writing (4 pts)

1. Write in English (full words):

1. 2 750 000:
   Answer: _____

2. 900 000 004:
   Answer: _____

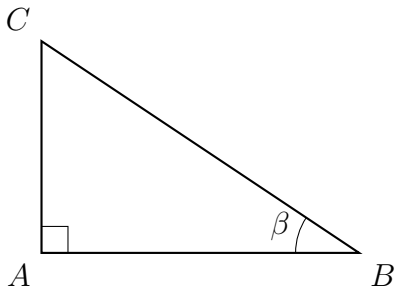
2. Write in numbers:

1. One thousand and ninety-six: _____

2. Seven million two hundred thousand: _____

Exercise 4: Trigonometry (6 pts)

Consider the right triangle ABC right-angled at A.



1. Identify the names of the sides for angle β:
   - Side $[BC]$ is the: _____
   - Side $[AC]$ is the: _____
   - Side $[AB]$ is the: _____

2. Express the following ratios using side lengths (AB, AC, BC):
   - $\sin(\beta) =$ _____
   - $\cos(\beta) =$ _____
   - $\tan(\beta) =$ _____

3. State the Pythagorean theorem for this triangle:
   Answer: _____

End of paper - Good luck!

Correction of the Final Examination – Semester 1

Master 1 – All Tracks | 2025–2026

Module: English for Technical Purposes **Duration:** 1 hour

Exercise 1: Vocabulary (6 pts)

1. **predecessor** [1 pt]
2. **product** [1 pt]
3. **hundreds** [1 pt]
4. **rational** [1 pt]
5. **subtract** / **difference** [1 pt + 1 pt]

Exercise 2: Translation (4 pts)

1. Into French:

1. Par définition, une fonction continue préserve les limites. [1 pt]
2. Par conséquent, l'équation admet une solution unique. [1 pt]

2. Into English:

1. Let us suppose (or We assume) that the function is differentiable on this interval. [1 pt]
2. We deduce that the sequence is increasing. [1 pt]

Exercise 3: Number Writing (4 pts)

1. In English:

1. Two million seven hundred and fifty thousand. [1 pt]
2. Nine hundred million and four. [1 pt]

2. In numbers:

1. $1,096$ [1 pt]
2. $7,200,000$ [1 pt]

Exercise 4: Trigonometry (6 pts)

1. **Side identification:** [3 pts]
   - $[BC]$: **Hypotenuse**

- $[AC]$: **Opposite side**

- $[AB]$: **Adjacent side**

2. **Trigonometric ratios:**
   $\sin(\widehat{ABC}) = \frac{\mathbf{AC}}{\mathbf{BC}}$; $\cos(\widehat{ABC}) = \frac{\mathbf{AB}}{\mathbf{BC}}$; $\tan(\widehat{ABC}) = \frac{\mathbf{AC}}{\mathbf{AB}}$ [1.5 pts]

3. **Pythagorean Theorem:**
   In triangle ABC right-angled at A, the relation is: $\mathbf{BC^2 = AB^2 + AC^2}$ [1.5 pts]