問 3 以下の問いに答えなさい.

(1) 次の数または数式の読み方を英語で書きなさい.

(a) 6×10^{23}

Six times ten to the power of twenty-three

(b) $\sqrt[5]{x^2 y^3}$

Fifth root of x squared times y cubed

(c) $\dfrac{22+x}{7}$

Twenty-two plus x all over seven

(d) $\ln 2$

Natural log of two (or L N of two)

(2) 以下の表現を図で表しなさい.

(a) Line *h* is a horizontal line. Line *i* is orthogonal to line *h*. Lines *h* and *i* intersected line.

(b) The point (1, 1, 1) in the rectangular coordinate system.

(3) 以下の表現を数式で表しなさい.

(a) The square root of two.

$\sqrt{2}$

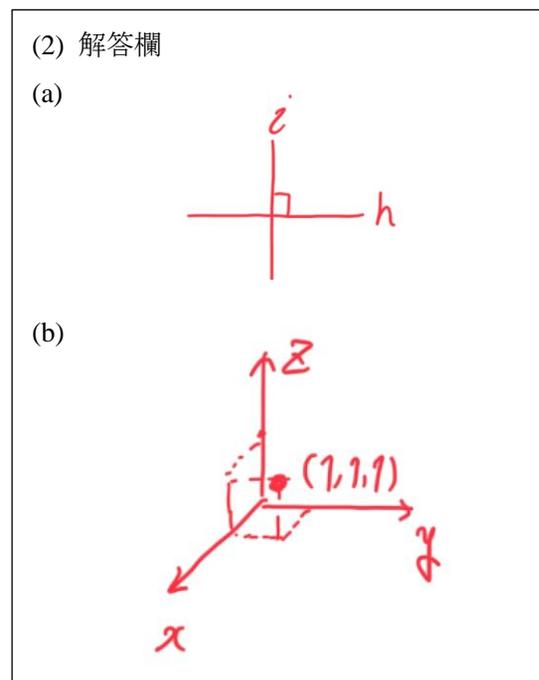(b) The cross product of two vectors $\vec{a}$ and $\vec{b}$ is equal to $\vec{c}$.

$\vec{a} \times \vec{b} = \vec{c}$

(c) The derivative of hyperbolic cosine *x* is equal to hyperbolic sine *x*.

$\dfrac{d}{dx} \cosh x = \sinh x$

(d) The Napier's constant is approximately equal to 2.718.

$e \cong 2.718$

(2) 解答欄

(a)

(b)

受験科目名	
英語	〔 5/ 5頁〕