

高校生 5 月 15 日 (金) の 課題

高校数学課題④ 15 分以内目標

問 1 次の式を展開しなさい。

(1) $(x^2 - 3)(x^2 + 4)$

(2) $(x^2 + 2x - 1)(x - 1)^2$

(3) $(x - 1)(x + 3)(x - 5)(x + 7)$

問 2 次の式を因数分解しなさい。

(1) $4x^4 - 36x^2$

(2) $5a^2 - 3ab - 2b^2$

(3) $x^2 - 4x + 4 - 2xy + 4y$

(4) $x^3 - 9x^2 + 27x - 27$

$$(5) x^2 + 4xy + 3y^2 + x + 5y - 2$$

高校英語課題⑱ 10分以内目標

●次の各問いに、それぞれ答えなさい。

問1 次のア～カの各文の()内に適する語句を1～4から選びなさい。

- ア She has () my sister. ()
1 as many books as 2 as much books as 3 as many as books 4 many books than
- イ Andrew is () of the two. ()
1 old 2 older 3 the older 4 oldest
- ウ Nick is () guitarist that I have ever known. ()
1 fine 2 finer 3 the finer 4 the finest
- エ Sylvia can swim faster () student in her class. ()
1 no other than 2 no other as 3 than any other 4 no more than
- オ Aya played the piano so well that they thought she was not so much a student () a real pianist.
1 as 2 to 3 by 4 for ()
- カ I took my students to climb a Mt. Fuji yesterday. The higher they climbed, the more (). ()
1 they excited 2 excited they became 3 exciting they became 4 they excited

問2 次のキ、クの英文に S、V、O、C などを書き込み、第何文型かを答えなさい。また、それぞれ日本語に訳しなさい。(画面を見て解く人は、ノートや紙に英文を書いて解いてください)さらに、名詞句、名詞節、形容詞句、形容詞節、副詞句、副詞節のどれが文に含まれているかを答えなさい。

キ He doesn't know whether she likes dogs or not.

訳 : _____
第 [] 文型 句・節 _____

ク It becomes possible to achieve final goals.

訳 : _____
第 [] 文型 句・節 _____