2025年度 入学試験問題(英語)

注意事項

- 1. 制限時間は50分です。
- 2. 1~9の問題を解答しなさい。
- 3. 解答はすべて解答用紙の枠の中に記入しなさい。枠の外は、採点対象になりません。
- 4. 試験が始まったら、最初に受験番号を記入し、次にシールを枠の中に貼りなさい。

(シールは、数字が読める向きに貼りなさい。枠からはみ出さないように貼りなさい。)

東洋大学附属姫路高等学校

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	お	That	news ma	de me <u>sur</u>	prising a	lot.						

[7] 高校生のかずやが、英語の授業で行ったスピーチと、そのスピーチを聞いたまさこが宿題で書いた感想です。これを読み、後の問いに答えなさい。

【かずやのスピーチ】

Do you remember the terrible *wildfires in Australia? Reports about them began to appear around September 2019. Around that time, wildfires there started to spread rapidly. After that, they were still burning till the end of the year.

Wildfires often happen in Australia. About one percent of forests in Australia have been lost to fires in the past 20 years. However, the fires in 2019 were much bigger *than usual, and more than 20 percent of the forests were lost. That's an area larger than the whole country of *Portugal. Many animals were injured or killed in the fires. Some of you may have seen koalas with burns on TV programs about the fires.

Usually, wildfires can help nature by *clearing away old, dead *vegetation. When the wind blows, the dry, dead vegetation *rubs against each other and creates small fires. As the fires spread to other dry, dead leaves, they spread little by little. Those fires usually *burn out *naturally, and new vegetation grows there. The animals living there are not injured. However, the fires in 2019 were too big to burn out in a short time. Why did the fires become so big?

() The fire areas had almost no rain in 2019, and the vegetation was dry and it could easily catch fire. So, when a fire *occurred, it spread quickly. The average temperature is going up every year because of global warming. This makes the air drier, wildfires bigger, and more animals in danger.

We must think about these facts carefully and look for what we can do. I don't think there is much time.

【まさこの感想】

I knew about the wildfires in 2019 in Australia before listening to Kazuya's speech. But I didn't think much about their effects. When I saw burned koalas on TV, I only thought, "Poor koalas." I learned one of the good effects of wildfires from his speech. But too much dead, dry vegetation makes fires too big. I didn't know that fires could spread so fast. I thought the animals could escape quickly from the fires. Yesterday, I found something I didn't know on the Internet. Some animal doctors said in a video, "The koalas climbed to the tops of the trees to escape the fires. But when they came back down, they were burned by touching the *burnt tree *trunks and the ground." Some scientists said in another video, "Over one billion wild animals died in the fires. And so many kinds lost their places to live."

After Kazuya's speech, our teacher said, "About 100 kinds of plants and animals have disappeared in Australia in the past 200 years." This is not only because of fires. But if we don't do anything, our grandchildren may only see koalas in zoos or books.

wildfire 山火事 than usual いつもより Portugal ポルトガル clear 取り除く vegetation 植物 rub こすれる burn out 燃え尽きる naturally 自然に occur 起こる burnt 焼けた[burn の過去分詞] trunk 木の幹

- 問1 かずやがスピーチで話した 2019 年のオーストラリアの山火事について,正しいものを1つ選び, 記号で答えなさい。
 - あ People felt worried about the fires even on Christmas of 2019.
 - About one percent of the forests in Australia were lost to the wildfires in 2019.
 - 7 There was a bigger wildfire twenty years before the ones in 2019.
 - ₹ The wildfires in 2019 were the most widely reported in Portugal.
- 間2 空所にあてはまるものとして最も適切なものを1つ選び、記号で答えなさい。
 - あ Because there were a lot of wildfires, they became big.
 - Vi Because there were no trees around the area.
 - One cause is too many kinds of vegetation there.
 - 之 Too little rain is one of the reasons.
- 問3 かずやのスピーチで話されていないこととして最も適切なものを1つ選び、記号で答えなさい。
 - あ Animals in the forest are not usually injured in the wildfires.
 - Some of the wildfires are caused by human activities.
 - Wind and dry vegetation can cause wildfires.
 - *\times \times \text{Forests larger than one country in Europe were lost to the fire.}
- 問4 まさこが、かずやの<u>スピーチを聞いて学んだこと</u>として最も適切なものを1つ選び、記号で答えなさい。
 - あ There were huge wildfires in Australia around September 2019.
 - Vi Thanks to the wildfires cleaning up dead plants, new plants can grow.
 - 5 Koalas got burned by touching burnt tree trunks and the ground.
 - ₹ The wildfires in 2019 killed more than one billion wild animals.
- 問5 下線部が表す内容として最も適切なものを1つ選び、記号で答えなさい。
 - あ More koalas may be injured and sent to the zoo by people.
 - Many people may write books about the poor koalas injured in the wildfires.
- Koalas may be gone from the wild, and people may never see wild koalas.
 - koalas lost their places to live in zoos.

8 次の和志(Kazushi)さんが書いた英語のエッセイを読み、後の問いに答えなさい。

When I was five years old, I went to watch a soccer game with my dad for the first time. I was excited to see the *goalkeeper who stopped every *shot during the *penalty shootout, and that made me interested in playing soccer. Soon I started to play it.

My high school was known for its soccer team. I practiced hard every day with my teammates. In the summer of my third year, our team finally made it to the final game of the *prefectural tournament. Winning this game would take us to the national tournament. Finally, it came down to a penalty shootout. I was the goalkeeper. I let in two goals. If the next one went in, our team would lose. I felt like everyone in the stadium was watching me. The *kicker was the captain of the *opposing team. On the quiet field, a super-fast ball flew toward me. I couldn't stop it. This game made me think about giving up playing soccer.

I played soccer all through high school, and I was terrible at studying. But I knew I had to do something. Then ①someone's words changed me. Soon after that, I decided to try to get into a university in the United States. My challenge began.

I didn't even know basic English *grammar. I didn't know many English words, either. The best way to study English is ②(). So, I tried some ways to find the best one for me. I started by *memorizing words. I bought a vocabulary book for junior high school students. I wrote 100 words from the book ten times a day while reading them aloud. I also read through a grammar book three times every day. I studied for more than 10 hours a day.

After six months of studying hard, I was able to enter a university in the United States. Although there were many other Japanese students there, I tried to stay away from them and made an effort to talk to students who didn't speak Japanese. Little by little, I made more American friends and started talking with them a lot every day. One day, one of them asked me, (3) I was surprised. We were just walking around the city at that time. "Why is he asking me such a question now?" I said to myself. I couldn't say anything about it. I felt embarrassed. I studied about the war in junior high school, but I didn't think deeply about it. American students often exchange their opinions with friends. You can't join in the conversations if you don't try to learn about what's happening around you. Also, if you can't express your own opinions, you won't be respected. To have opinions, you need to have knowledge. I realized that and started to read books, magazines, and many different topics on the Internet such as *politics, history, and war.

When I was studying alone in a foreign country, I sometimes felt lonely and wanted to return home. At that time, I often remembered a person, my high school soccer coach. His advice made me ④(). He was very strict but always thought about each player's situation carefully and gave us a lot of advice. When we lost the last game, I could think nothing about my future. One day, I went to the coach and told him I didn't know what to do in the future. Then he said, "Decide how to live by yourself." I was a little surprised. But actually, the idea of studying abroad came to my mind then. Through those words, he wanted to teach me that I had

to take *responsibility for my own life. When I feel lost in the future, I will remember his words. I have chosen to study abroad by myself. That is my responsibility. I may stop moving forward, but I will always find my own way.

goalkeeper ゴールキーパー shot シュート penalty shootout ペナルティキック prefectural 県の kicker キッカー、蹴る人 opposing 相手の grammar 文法 memorize 覚える politics 政治 responsibility 責任

- 問1 下線部①はどのような内容だと考えられるか。それを具体的に表す1文を最後の段落から抜き出 しなさい。
- 問2 空所②に入る最も適切な語句を1つ選び、記号で答えなさい。
 - あ to write as many words as possible
 - Vi the one everyone tries
 - ightharpoonup very simple one to try
 - え different for each person
- 問3 空所③に入る最も適切なものを1つ選び、記号で答えなさい。
 - あ "Do you think you can speak English well?"
 - (Why are you studying so far away from home?"
 - う "What do you think about World War II?"
 - え "What made you stop playing soccer?"
- 問4 空所④に入る最も適切な語句を1つ選び、記号で答えなさい。
 - あ stop playing soccer
 - Vi look abroad
 - ightharpoonup study with my friends
 - え feel lost
- 問5 本文の内容と一致するものを1つ選び、記号で答えなさい。
 - あ Kazushi's super-fast ball was stopped by the captain of the opposing team.
 - When Kazushi lost his final game, an idea of studying abroad came to his mind.
 - 7 Kazushi tried to learn about many topics through various ways to have his own opinions.
 - Razushi's soccer coach advised his teammates to study abroad and find their ways there.

[g] 次の英文を読み、後の質問に対する最も適切な答えを1つ選び、記号で答えなさい。

Some people are really good at controlling their *emotions. Even when they feel very angry, they can *calm down quickly. They stop, for a while, and quietly think about how they feel. And then, they act. On the other hand, people who cannot control their emotions often show their *anger to everyone around them. This can make other people feel bad, or even scared. When anger is not controlled well, it can cause problems not just for the person feeling angry but for everyone around the person.

Let's talk more about anger. Why is it so difficult for many people to control their anger? Anger is a strong emotion that happens when things don't go the way you want them to. For example, people who want everything to be perfect often feel angry because things usually don't go that way. It's important for you to remember that life doesn't always go perfectly. Sometimes things will go wrong, and you need to accept that. People who are always worrying also get angry more easily, especially when something bad or *unexpected happens. And people who don't get enough sleep often feel tired and *irritated. For those people, it's harder to stay calm when they're angry.

Feeling angry is normal. Usually, you can't stop feeling angry. However, if you are always angry, your good friends will leave you. Then, what can you do to control your anger? Learn some ways to reduce your anger, and you will not *regret it later. One good way is to take a deep breath and count to ten when you feel yourself getting angry. This gives you time to calm down and think before you act. It helps you see the situation from someone else's point of view. That can help you understand why someone did something that made you angry. Then, you may realize that you don't have to feel so angry.

There are also things you can do every day to reduce your chances of getting angry. Doing some exercise or playing sports can help your body feel more relaxed. Laughing is another good way to reduce anger. Try to find things that make you laugh. Funny videos, jokes, or playing with friends are good. Going outside and getting some sunlight is also good. When you feel good, it's easier to stay calm, even when things don't go your way. You may even forget that you were angry.

Researchers at Nagoya University found an easy but useful way to reduce anger. They discovered that writing down the things or facts that make you angry on a piece of paper and then throwing it away in a trash can help you feel better. And, cutting the paper into small pieces with a *shredder works better than just putting it in a trash can. Just putting the paper beside you or in your pocket doesn't work as well. Writing down the things or facts that make you angry helps you understand your anger better. You can *avoid similar situations in the future. Next time you feel really angry, why don't you try one or some of these ways? You may cool down and think more clearly.

emotion 感情 calm down 落ち着く anger 怒り unexpected 予期しない irritated いらいらした regret 後悔する shredder シュレッダー avoid 避ける

- 問1 According to the passage, if there is a man who can't control emotions, what will happen?
 - あ Other people around him will cause problems to him.
 - Vi Other people around him will calm down quickly.
 - 7 Other people around him will feel uncomfortable.
- 問 2 Choose the one that is NOT in the passage.
 - あ You often feel angry when things don't go the way you expect.
 - When you don't sleep well, you often feel irritated.
 - 3 Anger is a normal emotion but you can control it perfectly.
- 問3 According to the passage, which is good for you to reduce your anger?
 - あ To stop a breath and count to ten.
 - Vi To have fun with friends.
 - 7 To stay at home to avoid sunlight.
- 問 4 Which is true about the research at Nagoya University?
 - あ Keeping a piece of paper that you wrote your anger on in your pockets can reduce your anger.
 - Putting a piece of paper that you wrote your anger on into a shredder can reduce your anger.
 - Picking up a piece of paper that you wrote your anger on from the trash can reduce your anger.
- 問5 Which is the best title of this passage?
 - あ Ways to Control Anger
 - Vi Kinds of Emotions
 - ን You Should Always Stay Calm

2025年度 英語解答用紙

1	(1)	(2)				小計
2	(1)	(2)	(3)			小計
3	(1)	(2)	(3)			小計
4	(1)	(2)				小計
5	(1)	(2)	(3)			小計
6						小計
7	問 1	問 2	問 3	問 4	問 5	小 計
8	問 1	問 3	問 4	問 5		小計
9	問 1	問 2	問 3	問 4	問 5	小 計



この枠の中にシールを貼ってください



受験番号は右づめで書くこと



20250130

2025年度 入学試験問題(数学)

注意事項

- 1. 制限時間は50分です。
- 2. 解答はすべて解答用紙の枠の中に記入しなさい。枠の外は、採点対象になりません。
- 3. 筆記用具・直定規以外を使用してはいけません。
- 4. 試験が始まったら、最初に受験番号を記入し、次にシールを枠の中に貼りなさい。

(シールは、数字が読める向きに貼りなさい。枠からはみ出さないように貼りなさい。)

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- 1 次の問いに答えなさい。
 - (1) 4×(-2)+12を計算しなさい。

(2) $5^2 - (-4)^2$ を計算しなさい。

(3) $\sqrt{40} \div \sqrt{5}$ を計算しなさい。

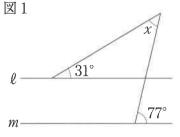
(4) $\frac{3a+4b}{3} - \frac{a+b}{6}$ を計算しなさい。

(5) $x^2 + 4x - 21$ を因数分解しなさい。

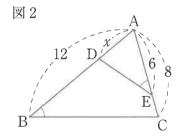
(6) 2次方程式 $x^2+6x-3=0$ を解きなさい。

(7) $\sqrt{2}$ を小数で表すと、1.4142…であるから、整数部分の数は1 である。 $\sqrt{111}$ を小数で表したとき、整数部分の数を答えなさい。

(8) 右の図1で、 ℓ //mである。このとき、 $\angle x$ の大きさを求めなさい。



(9) 右の図2で、 \angle AED= \angle ABCである。このとき、xの値を求めなさい。



(10) 右の表は、あるクラスの生徒30人の50m走の記録を 度数分布表にまとめたものである。この表から読み取れるこ ととして正しいものを、下のア〜エから全て選んで、その記 号を書きなさい。

階級(秒)	度数(人)
以上 未満	
$7.0 \sim 7.4$	7
$7.4 \sim 7.8$	9
$7.8 \sim 8.2$	6
8.2 ~ 8.6	3
$8.6 \sim 9.0$	5
計	30

- ア. 中央値が入っている階級は7.8秒以上8.2秒未満である。
- イ. 最頻値は7.6秒である。
- ウ. 階級の幅は, 2.0 秒である。
- エ. 相対度数が 0.1 である階級について、その階級値は 8.4 秒である。

2 太郎さんが会長、花子さんが副会長である子ども会で、中学生と小学生だけで動物園に行くことになった。入園料は中学生が1人600円、小学生が1人300円である。

次の文章を読み、(ア)~(ケ)に適する数字や式を答えなさい。ただし、金額はすべて消費税込みとし、同じ記号には同じ数字、式が入るものとする。

太郎:今回の入園料の合計金額は10800円になると聞いたよ。

花子:参加希望者数は何人なの?

太郎: そこまでは聞いてないよ。

花子:じゃあ、聞いた情報をもとに計算して求めてみよう。

太郎:参加希望者の中学生をx人、小学生をy人として入園料について式をつくると、

(r) x+ (1) y=10800 だね。

花子:もし中学生が3人増えると、全員に団体割引が適用されて、入園料の合計金額は最初より1440円安くなるとも聞いたよ。

太郎:中学生が3人増えると、中学生の参加希望者数はxを使って($\boxed{}$ (ウ))人と表されるね。

花子:団体割引が適用されたら、中学生は1人あたり3割引になるから中学生1人の入園料は (エ) 円になるね。

太郎:団体割引が適用されたら、小学生は1人あたり2割引になるから小学生1人の入園料は (オ) 円になるよ。

花子: 団体割引が適用された入園料の合計金額は、(n) 円になるから、これらをもとに団体割引が適用された入園料について、式をつくると、(x) x+ (x) y+ (x) y+ (x) y+ (x) x+ (x) (x) x+ (x) x+ (x) x+ (x) x+ (x) (

太郎:2つの式を連立方程式として解くと、参加希望者数は、中学生が (ク) 人、小学生が

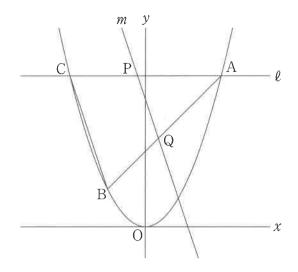
(ケ) 人だとわかるね。

図のように、放物線 $y = ax^2$ のグラフは、点 A(4, 8)、原点 O、点 B を通る。点 A を通り、x 軸に平行な直線 ℓ と放物線 $y = ax^2$ との交点で、点 A とは異なる点を C とし、点 A と点 B、点 B と点 C をそれぞれ結ぶ。

また、線分 AC と交わるように線分 BC に平行な直線 m をひき、線分 AC との交点を P、線分 AB との交点を Q とする。

点Bのx座標が-2のとき,次の問いに答えなさい。

(1) aの値を求めなさい。

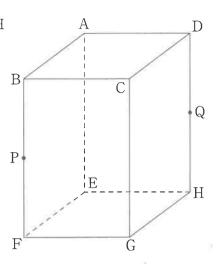


(2) 2点 A, B を通る直線の式を求めなさい。

(3) △ABC の面積を求めなさい。

(4) △APQの面積が6であるとき、点Pの座標を求めなさい。

- 4 右の図のような、AB=AD=4、AE=6 である直方体 ABCD-EFGH がある。辺 BF 上に点 P を、辺 DH 上に点 Q を、それぞれ BP=3、 DQ=3 となるようにとる。このとき、次の問いに答えなさい。
 - (1) 線分 AP の長さを求めなさい。



(2) 三角錐 A-BCP の体積を求めなさい。

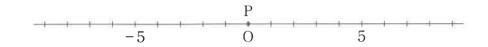
(3) 直方体 ABCD - EFGH を 3 点 A, P, Q を通る平面で 2 つの立体に切り分けたとき、頂点 E をふくむ側の立体の体積を求めなさい。

(4) 頂点 C から 3 点 A, P, Q を通る平面に垂線 CR をひくとき, CR の長さを求めなさい。

5 下の図のように数直線上の原点 O に点 P がある。硬貨 1 枚を何回か投げるとき、次の規則にしたがって点 P が動く。このとき、次の問いに答えなさい。ただし、硬貨は表、裏のどちらが出ることも同様に確からしいものとする。

「規則〕

- ① 1枚の硬貨を1回投げ、表が出たら点Pは数直線上を正の方向に2だけ進む。裏が出たら点Pは数直線上を負の方向に1だけ進む。
- ② 2回目以降は、点Pは前回の位置から①にしたがって進むものとする。



(1) 硬貨を2回投げたとき、2回とも表が出る確率を求めなさい。

(2) 硬貨を2回投げたとき、点 Pが1の位置にある確率を求めなさい。

(3) 硬貨を3回投げたとき、点 P が原点 O の位置にある確率を求めなさい。

(4) 硬貨を4回投げたとき、点Pが負の数で表される位置にある確率を求めなさい。

2025年度 数学解答用紙

1	(1)			(2)				(3)				(4)		
	(5)			(6)	x =			(7)				(8)		度
	(9)	x =		(10)										
			,											
2	(7)		(1)			(ウ)				(I)			(才)	
	(カ)		(+)			(2)				(ケ)				
											,			
3	(1)	a=						(2)						
	(3)							(4)	(,)
		_					,							
4	(1)							(2)						
	(3)							(4)						
5	(1)			(2)				(3)				(4)		
					1				ı			J _o	1	
			= 0	0枠の中(にシールを貼っ	てくださ	()	受験都		づめで書	書くこと			
									受馬	倹番号			合計点	



受験番号							

,	合計点	

2025年度 英語解答用紙

1 (1) え (2) い	計
2 (1) あ (2) い (3) あ	小 計
3 (1) え (2) え (3) しい	小計
4 (1) しい (2) あ	小計
5 (1) しい (2) しい (3) あ	小計
6 え	小計
7 問1 あ 問2 え 問3 い 問4 い 問5 う	小
8 問1	小計
9 問1 う 問2 う 問3 い 問4 い 問5 あ	小計



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合計点	

2025年度 数学解答用紙

1	(1)	4	(2)	9	(3)	$2\sqrt{2}$	(4)	$\frac{5a+7b}{6}$
s	(5)	(x+7)(x-3)	(6)	$x = -3 \pm 2\sqrt{3}$	(7)	10	(8)	46 度
	(9)	x = 4	(10)	イ, エ				

2 600 300 420 (ア) x+3240 **(1)** (ウ) (工) (4) 9360 1260 (7) 9 18 (力) (+) (ケ)



ت	の枠の	中にシ	シールを	b貼って	ってください		
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合計点	