

Prueba de Admisión 2023

Fecha: sábado 29 de octubre del 2022

Hora: 8:00am

### Materia: Matemática

#### Indicadores

HABILIDADES	CONTENIDOS
<ul style="list-style-type: none"> <li>Determinar las medidas de lados y ángulos de un triángulo rectángulo, utilizando razones trigonométricas.</li> </ul>	<ul style="list-style-type: none"> <li>Razones trigonométricas: Seno, Coseno y tangente.</li> <li>Cálculo de lados y ángulos de un triángulo rectángulo.</li> </ul>
<ul style="list-style-type: none"> <li>Aplicar el teorema de Pitágoras en la resolución de ejercicios y problemas en diferentes contextos.</li> <li>Determinar la distancia entre dos puntos en el plano cartesiano.</li> </ul>	<ul style="list-style-type: none"> <li>Teorema de Pitágoras.</li> <li>Cálculo de la distancia entre dos puntos.</li> </ul>
<ul style="list-style-type: none"> <li>Factorizar expresiones algebraicas (factor común, diferencia de cuadrados, trinomio cuadrado perfecto, inspección, calculadora, agrupación).</li> </ul>	<ul style="list-style-type: none"> <li>Factorización.</li> </ul>
<ul style="list-style-type: none"> <li>Resolver ecuaciones que se reducen a ecuaciones de segundo grado con una incógnita.</li> </ul>	<ul style="list-style-type: none"> <li>Ecuaciones de segundo grado con una incógnita: <math>ax^2 + bx + c = 0</math></li> </ul>

### Materia: Español

#### Indicadores

1. Aplica el nivel literal de la comprensión lectora en textos literarios.
2. Aplica el nivel inferencial de la comprensión lectora en textos literarios (narrativa) y no literarios (artículos de opinión).
3. Produce textos escritos respetando las normas de redacción y ortografía. (Signos de puntuación, uso de mayúsculas, leyes de acentuación, construcción de párrafos, coherencia, cohesión).

### Contenidos

1. Comprensión lectora: nivel literal e inferencial.
2. Producción textual.

### Definiciones

**Nivel literal:** En este nivel de comprensión el lector tiene la capacidad de reconocer y recordar información explícita, así como escenas tal cual aparecen en el texto. Esto le permite encontrar las ideas principales, el orden de las acciones, los personajes principales y secundarios e identificar los párrafos del texto.

**Nivel inferencial:** El lector reconstruye el significado del texto relacionándolo con sus experiencias personales y conocimientos previos, a partir de ello formula conjeturas e hipótesis y saca conclusiones.

### Materia: inglés

#### Objectives:

1. To understand, identify and be able to use the Present Perfect Tense in positive and negative sentences, yes/no questions and wh-questions.
2. To understand, identify and be able to use the Present Perfect Progressive in positive and negative sentences, yes/no questions and wh-questions.
3. To understand, identify and be able to use Modal Auxiliaries.
4. To understand, identify and be able to use Tag Questions.
5. To understand, identify and be able to use the Past Perfect Tense in positive and negative sentences, yes/no questions and wh-questions.
6. To understand, identify and be able to use the Third Conditional in positive and negative sentences.
7. To understand, identify and be able to use the Simple Future Tense with WILL and GOING TO in positive and negative sentences, yes/no questions and wh-questions.
8. To understand, identify and be able to use the Future Progressive Tense with WILL and GOING TO in positive and negative sentences, yes/no questions and wh-questions.
9. To understand, identify and be able to use the Reported Speech in positive and negative sentences.
10. To understand, identify and be able to use the Passive Voice in simple present, simple past and simple future.
11. To write paragraphs, comments, opinions, conversations or short stories related to the following topics:
  - Leisure activities.

- Social media.
- Television and documentaries.
- Outstanding people (people we admire).
- Unexpected situations.
- The importance of reading books.

## Contents

1. The team **has played** a lot of games this month. We **have not gone** to many shows this week. **Have** the artists **seen** the final script for the play? **No, they haven't.** **When has** the girl **sung** the song for the group? She **has sung** the song for the group today.
2. We **have been studying** math for hours. Cristian **has not been training** for the tournament very much. **Has** Julio **been reading** many books lately? Yes, he **has (been).** **Where have** the students **been preparing** the project this week? They **have been preparing** the project in the Science lab this week.
3. Danny **Should** go to the hospital, he looks very sick. We **could** pass the admission test; it was not really difficult. The kid **must** be really clever, he learns really quick. I **can't** go to the party, I'm grounded.
4. Daniel is in the classroom, **isn't he?** The kids are not with the teacher, **are they?** Sarah reads parts of that book every day, **doesn't she?** Clara went to Colombia last month, **didn't she?**
5. Catalina **had written** many poems for her book. The kids **hadn't gone** to the party last month. **Had** the student **read** the news about the war? No, they hadn't. **When had** they **swum** in the lake? They **had swum** in the lake the last summer.
6. **If** Karla **had studied** for the test, she **would have gotten** a better grade. Danilo **wouldn't have investigated** about that famous person **if he hadn't noticed** him in that great movie.
7. Vanessa **will study** chemistry in the university next year. Danny **will not (won't) go** to the party next Saturday. **Will** they **invite** all the people to the event? **Yes, they will.** **When will** the teachers **make** the spelling bee contest? They **will make** the spelling bee contest next month. Clarissa **is going to study** science tonight. We **are not (aren't) going to send** the robot for the competition. **Is** Steve **going to write** a song for his mom today? **No, he isn't.** **Where are** the players **going to train** tomorrow? They **are going to train** in the new stadium tomorrow.
8. Vanessa **will be studying** chemistry in the university next year. Danny **will not (won't) be going** to the party next Saturday. **Will** they **be inviting** all the people to the event? **Yes, they will (be).** **When will** the teachers **be making** the spelling bee contest? They **will be making** the spelling bee contest next month. Clarissa **is going to be studying** science tonight. We **are not (aren't) going to be sending** the robot for the competition. **Is** Steve **going to be writing** a song for his mom today? **No, he isn't.** **Where are** the players **going to be training** tomorrow? They **are going to be training** in the new stadium tomorrow.
9. **Quoted speech:** she likes to draw cartoons. **Reported speech:** she said that she liked to draw cartoons. **Quoted speech:** Allan is writing a new book. **Reported speech:** Allan said that he was writing a new book. **Quoted speech:** The kids have spoken with the principal. **Reported speech:** The kids said that they had spoken with the principal.

## Temas para prueba de Admisión 2023 Nivel Décimo

10. **Active voice:** My brother washes the car every Saturday. **Passive voice:** The car is washed by my brother every Saturday. **Active voice:** Ana took the dog to the veterinarian last night **Passive voice:** The dog was taken to the veterinarian by Ana last night. **Active voice:** The teacher will suggest a new topic for the essay. **Passive voice:** A new topic for the essay will be suggested by the teacher.
11. The student produces different kinds of written compositions related to one or more of the given topics.