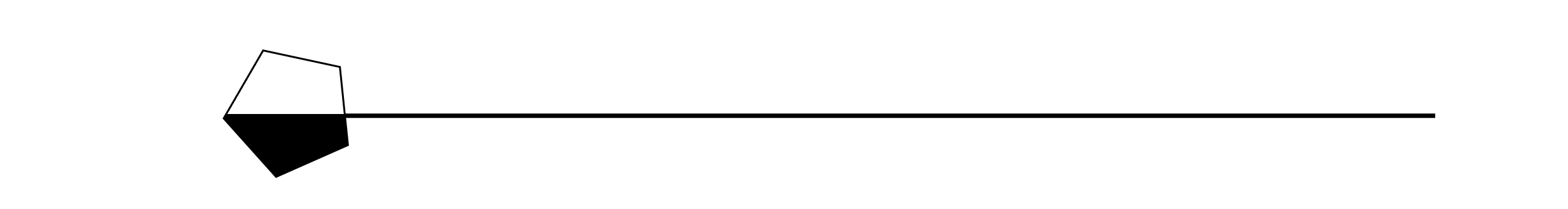
|  |  |  |
| --- | --- | --- |
| وزارة التعليم  إدارة التعليم بمحافظة  ثانوية |  | المـــــــــــــــــــــــــــــــــــــادة : رياضيــــــــــــــات  الصـــــــــــــــــــــــــــــــــــف : الثاني الثـــانوي  زمن الاختبـــــــــــــار : ثلاث ساعات  الفصل الدراسي : الثاني 1443هـ |
| اسم الطالب : ..................................................................................... رقم الجلوس : ............... | | |
| |  |  |  |  | | --- | --- | --- | --- | | الدرجة رقمًا | الدرجة كتابةً | المصحح : | المراجع : | |  | ..................... | التوقيع : | التوقيع : | | 40 درجة | أربعون درجةً فقط |   أسئلة الاختبار النهائي لمادة الرياضيات للصف الثاني ثانوي (المستوى الرابع ) للفصل الدراسي الثاني 1443 هـ  استعن بالله ثم أجب عن الأسئلة التالية : | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * السؤال الأول: ضع رمز الإجابة الصحيحة في الجدول التالي :   **15**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1 | | | | 2 | 3 | | 4 | | 5 | 6 | | | 7 | 8 | | 9 | | 10 | |  | | | |  |  | |  | |  |  | | |  |  | |  | |  | | 1 | العامل المشترك الأكبر للعبارة النسبية : | | | | | | | | | | | | | | | | | | | A | x +2 | | | B | | x – 1 | | | C | x -2 | | | D | | x + 1 | | | | 2 | وصل فريق ثانوية الغاط في كرة السلة إلى الدور قبل النهائي ، وإذا ربح فسيلعب في المباراة النهائية .. | | | | | | | | | | | | | | | | | | | A | حادثة مستقلة | | | B | | حادثة متممة | | | C | حادثة متنافية | | | D | | حادثة غير مستقلة | | | | 3 | , في هذه المتتابعة الحسابية , قيمة الحد الثامن عشر هي : | | | | | | | | | | | | | | | | | | | A | = **13** | | | B | | = **100** | | | C | = **200** | | | D | | = **233** | | | | 4 | متتابعة هندسية أساسها هو ... | | | | | | | | | | | | | | | | | | | A | **16** | | | B | |  | | | C | **4** | | | D | |  | | | | 5 | قيمتها تساوي | | | | | | | | | | | | | | | | | | | A |  | | | B | |  | | | C |  | | | D | |  | | | | 6 | إذا كان Tan = 1.8 ، فإن قياس الزاوية بالدرجات تقريبا يساوي: | | | | | | | | | | | | | | | | | | | A | **60.9°** | | | B | | **0.03°** | | | C | **29.1°** | | | D | | **21.5°** | | | | 7 | في المثلث القائم الزاوية = | | | | | | | | | | | | | | | | | | | A |  | | | B | |  | | | C |  | | | D | |  | | | | 8 | **, قياسها بالدرجة هو :** | | | | | | | | | | | | | | | | | | | A |  | | | B | |  | | | C |  | | | D | |  | | | | 9 | **240**زاوية تقع في الربع : | | | | | | | | | | | | | | | | | | | A | الأول | | | B | | الثاني | | | C | الثالث | | | D | | الرابع | | | | 10 | عندما يقع ضلع الانتهاء للزاوية المرسومة في الوضع القياسي على المحور أو على المحور ، فإنها تسمى الزاوية .. | | | | | | | | | | | | | | | | | | | A | الربعية | | | B | | المركزية | | | C | المرجعية | | | D | | المشتركة | | |  * السؤال الثاني : ضع علامة ( **√** ) أمام العبارة الصحيحة وعلامة ( **×** ) أمام العبارة الخاطئة :  1. إذا لم يكن للمتسلسلة الهندسية غير المنتهية مجموع ، فإنها تسمى متسلسلة متباعدة. ( )   **3**   1. الزاوية المركزية في دائرة هي الزاوية التي يقع رأسها على قطر الدائرة. ( ) 2. دائرة الوحدة تقع في المستوى الإحداثي مركزها نقطة الأصل وطول نصف قطرها ثلاث وحدات. ( )  * السؤال الثالث : أجب عن الأسئلة التالية :   **22**   1. بسط العبارة الآتية :     .........................................................................................................................................................  .........................................................................................................................................................  .........................................................................................................................................................  .........................................................................................................................................................   1. حدد خطوط التقارب ، والمجال والمدى للدالة :   خط التقارب الرأسي : ................................  خط التقارب الأفقي : ................................  المجال :..................................................  المدى : ................................................... |
| 1. إذا كانت تتغيَّر عكسيا مع وكانت عندما ، فأوجد قيمة عندما .   .........................................................................................................................................................  ......................................................................................................................................................... |
| 1. أوجد مفكوك ( اختر الطريقة التي تناسبك )   .........................................................................................................................................................  ......................................................................................................................................................... |
| .........................................................................................................................................................  .........................................................................................................................................................  ......................................................................................................................................................... |

1. اشترك سالم في مسابقة ثقافية، و ُ طلب إليه سحب بطاقة عشوائيًا من صندوق به



( 300 ) بطاقة، منها ( 20 ) بطاقة رابحة. ما احتمال عدم سحب بطاقة رابحة , وضح إجابتك؟

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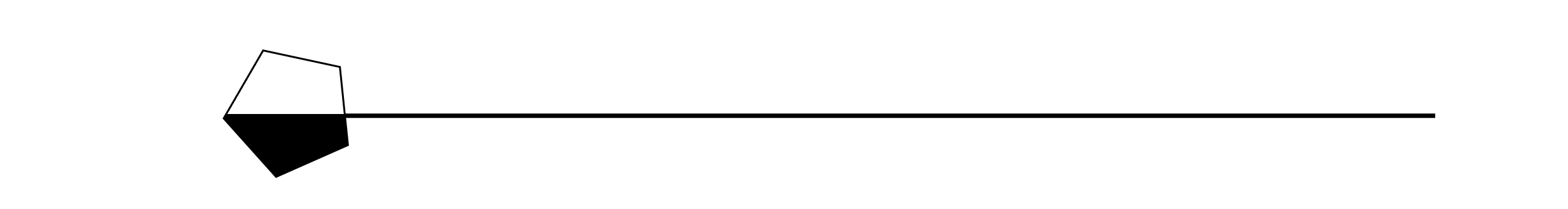
1. **زاوية حادة في مثلث قائم الزاوية ، إذا كان فأوجد قيمة .**

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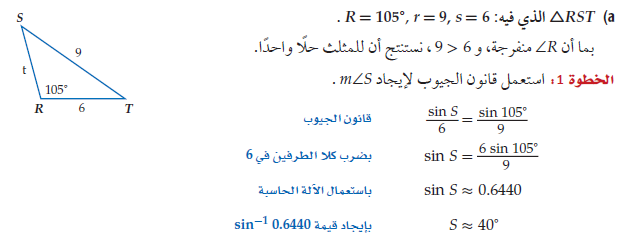
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1. حدد إن كان المجاور له حل واحد، أم حلان، أم ليس له حل. ثم أوجد الحلول ،

مقربا أطوال الأضلاع إلى أقرب جزء من عشرة، وقياسات الزوايا إلى أقرب درجة .

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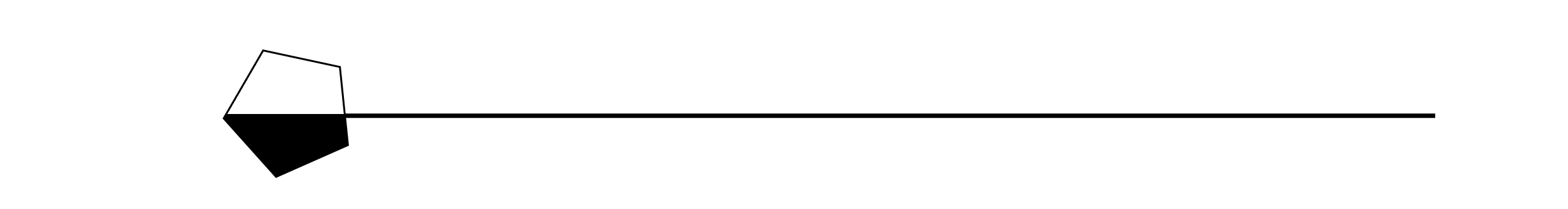
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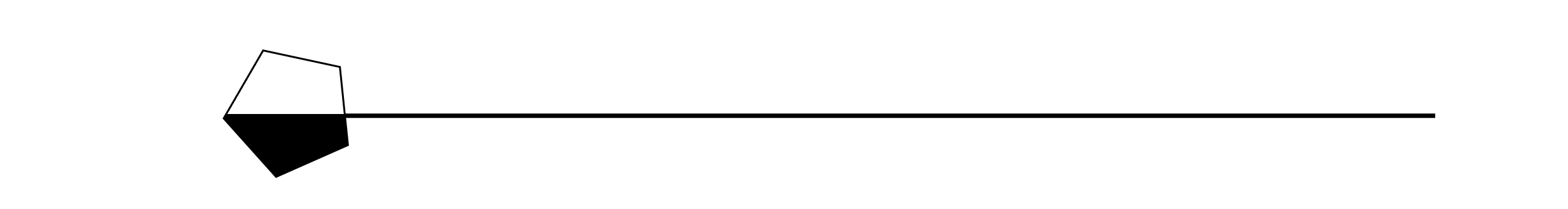


1. إذا كان ضلع الانتهاء للزاوية المرسومة في الوضع القياسي يقطع دائرة الوحدة

في النقطة . فأوجد كلا من .

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1. أوجد السعة وطول الدورة ونقاط تقاطع المحور ثم قم بتمثيل الدالة بيانيًا

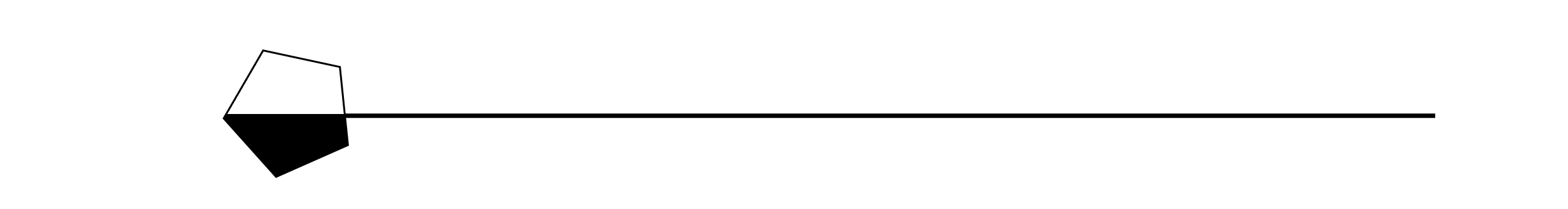
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1. أوجد قيمة **( )** بقياس الراديان والدرجة : ( باستخدام طريقتين ) وتذكر أن :

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نهاية الأسئلة ..

**إجابة موفقة أخي الطالب ..**