Hä vµ tªn : Thø ngµy th¸ng n¨m 2019

Líp : 9 **kiÓm tra 15 phót**

Tr­êng THCS Hµm Tö **m«n : ®¹i sè**

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| §iÓm | Lêi phª cña thÇy gi¸o |
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 **®Ò bµi :**

**C©u 1:**( 2®)H·y ®iÒn "x" vµo « trèng thÝch hîp cho ®óng.

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| **C©u** | **§óng** | **Sai** |
| a/ Ph­¬ng tr×nh  cã nghiÖm. |  |  |
| b/ Ph­¬ng tr×nh  cã hai nghiÖm. |  |  |
| c/ x = 2 lµ nghiÖm mét cña ph­¬ng tr×nh  . |  |  |
| d/ Ph­¬ng tr×nh bËc hai khuyÕt b cã d¹ng  lu«n cã hai nghiÖm ®èi nhau. |  |  |

**C©u 2:** ( 8 ®) Gi¶i c¸c ph­¬ng tr×nh sau:

a/ 3x2 + 7x = 0 b/ 2x2 - 18 = 0 c/ x2 – 7x + 10 = 0

 **bµi lµm:**

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 **®Ò bµi :**

**C©u 1:**( 2®)H·y ®iÒn "x" vµo « trèng thÝch hîp cho ®óng.

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| **C©u** | **§óng** | **Sai** |
| a/ Ph­¬ng tr×nh x2 - 2 = 0 cã hai nghiÖm. |  |  |
| b/ Ph­¬ng tr×nh x2 + 3x = 0 cã một nghiệm duy nhất . |  |  |
| c/ x = 1 lµ nghiÖm mét cña ph­¬ng tr×nh 6x2 + x - 7 = 0  |  |  |
| d/ Ph­¬ng tr×nh bËc hai khuyÕt b cã d¹ng  lu«n cã hai nghiÖm ®èi nhau. |  |  |

**C©u 2:** ( 8 ®) Gi¶i c¸c ph­¬ng tr×nh sau:

a/ 2x2 - 6x = 0 b/ 2x2 - 8 = 0 c/ x2 – 5x + 6 = 0

 **bµi lµm:**

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Líp : **kiÓm tra 15 phót**

Tr­êng THCS Hµm Tö **m«n: HÌNH HỌC**

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|  |  |

 **®Ò bµi**

**Bµi 1:** H·y cho biÕt: mçi kh¼ng ®Þnh d­íi ®©y ®óng hay sai

 **C©u 1:**

1. Hai cung b»ng nhau cã sè ®o b»ng nhau
2. Trong hai cung trªn mét ®­êng trßn, cung nµo cã sè ®o nhá h¬n lµ cung nhá h¬n
3. Hai cung b»ng nhau th× c¨ng hai d©y b»ng nhau
4. Trong mét ®­êng trßn, hai gãc néi tiÕp cïng ch¾n mét cung th× b»ng nhau

**Bµi 2**: H·y khoanh trßn vµo ph­¬ng ¸n ®óng trong c¸c ph­¬ng ¸n ®· chØ ra

 **C©u 2:** Tø gi¸c néi tiÕp lµ tø gi¸c :

1. cã c¸c c¹nh tiÕp xóc víi ®­êng trßn b) n»m h¼n trong ®­êng trßn
2. cã bèn ®Ønh n»m trªn mét ®­êng trßnd)cã bèn c¹nh b»ng nhau

 **C©u 3:** Trong mÆt ph¼ng, tËp hîp nh÷ng ®iÓm M nh×n ®o¹n AB cè ®Þnh ®­íi mét gãc 450 lµ:

1. mét ®­êng trßn b) mét cung trßn c) hai cung trßn ®èi xøng nhau qua AB

 d)hai cung chøa gãc 450 dùng qua AB vµ hai cung ®ã ®èi xøng nhau qua AB

**C©u 4:** H×nh nµo sau ®©y kh«ng néi tiÕp ®­îc ®­êng trßn

 A. H×nh vu«ng B. H×nh ch÷ nhËt C. H×nh thoi D. H×nh thang c©n

**Bµi 3:** : Cho Δ ABC ( AB = AC ) néi tiÕp trong ®­êng trßn (O). C¸c ®­êng cao AG, BE, CF c¾t nhau t¹i H .

a) Chøng minh tø gi¸c AEHF néi tiÕp.

b) Chøng minh : AF . AC = AH . AG

 **bµi lµm:**

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|  |  |

 **®Ò bµi**

**Bµi 1:** H·y cho biÕt: mçi kh¼ng ®Þnh d­íi ®©y ®óng hay sai

 **C©u 1:**

a)Hai cung b»ng nhau cã sè ®o b»ng nhau

b)Trong hai cung trªn mét ®­êng trßn, cung nµo cã sè ®o nhá h¬n lµ cung nhá h¬n

c)Hai cung b»ng nhau th× c¨ng hai d©y b»ng nhau

d)Trong mét ®­êng trßn, hai gãc néi tiÕp cïng ch¾n mét cung th× b»ng nhau

**Bµi 2**: H·y khoanh trßn vµo ph­¬ng ¸n ®óng trong c¸c ph­¬ng ¸n ®· chØ ra

 **C©u 2:** Tø gi¸c néi tiÕp lµ tø gi¸c :

a) cã c¸c c¹nh tiÕp xóc víi ®­êng trßn b) cã bèn ®Ønh n»m trªn mét ®­êng trßn c) n»m h¼n trong ®­êng trßn d)cã bèn c¹nh b»ng nhau

 **C©u 3:** Trong mÆt ph¼ng, tËp hîp nh÷ng ®iÓm M nh×n ®o¹n AB cè ®Þnh ®­íi mét gãc 500 lµ:

1. mét ®­êng trßn b) hai cung chøa gãc 500 dùng qua AB vµ hai cung ®ã ®èi xøng nhau qua AB
2. c) mét cung trßn d) hai cung trßn ®èi xøng nhau qua AB

 **C©u 4:** H×nh nµo sau ®©y kh«ng néi tiÕp ®­îc ®­êng trßn

 A. H×nh vu«ng B. H×nh ch÷ nhËt C. H×nh thoi D. H×nh thang c©n

**Bµi 3:** : Cho Δ PQR ( PQ = PR ) néi tiÕp trong ®­êng trßn (O). C¸c ®­êng cao PM, QN, RI c¾t nhau t¹i K .

a) Chøng minh tø gi¸c PIKN néi tiÕp.

b) Chøng minh : PI. IR = PK. PM

 **bµi lµm:**

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