

IN CDE, $MC = (x + 4)$ $MC = (x + 4)$, $MD = (9x + 4)$ $MD = (9x + 4)$, AND $ME = (2x + 12)$ $ME = (2x + 12)$. FIND

UNDERSTANDING THE PROBLEM: GEOMETRIC SEGMENTS AND ALGEBRAIC EXPRESSIONS IN TRIANGLE CDE

IN CDE, $MC = (x + 4)$ $MC = (x + 4)$, $MD = (9x + 4)$ $MD = (9x + 4)$, AND $ME = (2x + 12)$ $ME = (2x + 12)$. FIND —
THIS INTRODUCTORY STATEMENT SETS THE STAGE FOR A DETAILED EXPLORATION OF A GEOMETRIC PROBLEM INVOLVING A TRIANGLE CDE AND POINTS M ON ITS SIDES, WITH SEGMENTS EXPRESSED AS ALGEBRAIC FUNCTIONS OF A VARIABLE X.

THIS ARTICLE AIMS TO WALK YOU THROUGH THE PROBLEM-SOLVING PROCESS STEP-BY-STEP, PROVIDING CLARITY ON THE GEOMETRIC CONCEPTS, ALGEBRAIC MANIPULATIONS, AND LOGICAL REASONING INVOLVED. WHETHER YOU'RE A STUDENT PREPARING FOR EXAMS OR A MATH ENTHUSIAST SEEKING TO SHARPEN YOUR SKILLS, UNDERSTANDING HOW TO APPROACH SUCH PROBLEMS IS ESSENTIAL.

ANALYZING THE GEOMETRIC CONFIGURATION

BEFORE DIVING INTO CALCULATIONS, IT'S VITAL TO INTERPRET WHAT THE PROBLEM STATES AND UNDERSTAND THE GEOMETRIC SETUP.

WHAT IS THE TRIANGLE CDE?

- THE TRIANGLE CDE IS A TRIANGLE WITH VERTICES LABELED C, D, AND E.
- M IS A POINT ON THE TRIANGLE, LIKELY ON A SIDE OR A SEGMENT CONNECTING TWO POINTS.

WHAT DO THE GIVEN EXPRESSIONS REPRESENT?

- $MC = (x + 4)$ $MC = x + 4$
- $MD = (9x + 4)$ $MD = 9x + 4$
- $ME = (2x + 12)$ $ME = 2x + 12$

THESE ARE ALGEBRAIC EXPRESSIONS REPRESENTING LENGTHS OF SEGMENTS ASSOCIATED WITH POINT M. THE NOTATION SUGGESTS THAT M IS POSITIONED RELATIVE TO POINTS C, D, AND E, AND THE SEGMENTS MC, MD, AND ME ARE EXPRESSED AS FUNCTIONS OF THE VARIABLE X.

POSSIBLE GEOMETRIC INTERPRETATION

GIVEN THE SEGMENT EXPRESSIONS:

- MC, MD, AND ME ARE LIKELY DISTANCES FROM M TO POINTS C, D, AND E RESPECTIVELY.
- THE PROBLEM PROBABLY INVOLVES FINDING A SPECIFIC LENGTH OR VERIFYING A RATIO OR POSITION BASED ON THE ALGEBRAIC EXPRESSIONS.

APPROACH TO SOLVING THE PROBLEM

TO FIND THE UNKNOWN, WE NEED TO UNDERSTAND THE RELATIONSHIPS BETWEEN THESE SEGMENTS. TYPICALLY, PROBLEMS LIKE THIS INVOLVE CONCEPTS SUCH AS:

- SEGMENT RATIOS (E.G., DIVIDING SIDES PROPORTIONALLY)
- MEDIAN, ANGLE BISECTOR, OR CEVIAN SEGMENTS
- COORDINATE GEOMETRY (IF WE ASSIGN COORDINATES TO POINTS)
- ALGEBRAIC EQUATIONS DERIVED FROM GEOMETRIC PROPERTIES

GIVEN THE EXPRESSIONS, THE MOST STRAIGHTFORWARD APPROACH IS TO INTERPRET M AS A POINT ON THE SIDES OF THE TRIANGLE AND USE THE SEGMENT RATIOS TO FIND THE VALUE OF x .

USING COORDINATE GEOMETRY TO SOLVE THE PROBLEM

COORDINATE GEOMETRY PROVIDES A SYSTEMATIC WAY TO ANALYZE GEOMETRIC PROBLEMS INVOLVING ALGEBRAIC EXPRESSIONS FOR LENGTHS.

STEP 1: ASSIGN COORDINATES TO TRIANGLE CDE

- PLACE POINT C AT THE ORIGIN: $C(0, 0)$
- ASSUME POINT D LIES ON THE x -AXIS: $D(d, 0)$
- ASSUME POINT E IS AT (e_x, e_y)

FOR SIMPLICITY, LET'S SUPPOSE:

- C IS AT $(0, 0)$
- D IS AT $(d, 0)$
- E IS AT $(0, e_y)$

THE EXACT COORDINATES DEPEND ON THE PROBLEM'S SPECIFICS, BUT THIS SETUP ALLOWS US TO ANALYZE SEGMENTS ALGEBRAICALLY.

STEP 2: POSITION OF POINT M

- M COULD BE ON SIDE CD , SIDE CE , OR SIDE DE .
- LET'S ASSUME M LIES ON SIDE CD , BETWEEN C AND D .

EXPRESS M 'S COORDINATES AS A PARAMETER t ($0 \leq t \leq 1$):

$$M = (t \cdot d, 0)$$

EXPRESSING SEGMENT LENGTHS ALGEBRAICALLY

USING THE COORDINATE SETUP:

- DISTANCE MC:

$$\backslash (MC = \sqrt{(x_M - 0)^2 + (y_M - 0)^2} \backslash)$$

- DISTANCE MD:

$$\backslash (MD = \sqrt{(x_M - d)^2 + (y_M - 0)^2} \backslash)$$

- DISTANCE ME:

ASSUMING E AT $(0, e_y)$, AND M AT $(t_d, 0)$:

$$\backslash (ME = \sqrt{(x_M - 0)^2 + (y_M - e_y)^2} \backslash)$$

CONNECTING ALGEBRAIC EXPRESSIONS TO COORDINATES

GIVEN THE SEGMENT EXPRESSIONS:

$$\backslash (MC = x + 4 \backslash)$$

$$\backslash (MD = 9x + 4 \backslash)$$

$$\backslash (ME = 2x + 12 \backslash)$$

AND M AT $(t_d, 0)$:

$$1. \backslash (MC = \sqrt{(t_d - 0)^2 + (0 - 0)^2} = t_d \backslash)$$

So,

$$\backslash (t_d = x + 4 \backslash)$$

$$2. \backslash (MD = \sqrt{(t_d - d)^2 + (0 - 0)^2} = |t_d - d| = d |t - 1| \backslash)$$

So,

$$\backslash (d |t - 1| = 9x + 4 \backslash)$$

$$3. \backslash (ME = \sqrt{(t_d - 0)^2 + (0 - e_y)^2} = \sqrt{(t_d)^2 + e_y^2} \backslash)$$

So,

$$\backslash (\sqrt{(t_d)^2 + e_y^2} = 2x + 12 \backslash)$$

DERIVING EQUATIONS TO FIND x

FROM THE FIRST EQUATION:

$$\backslash [t_d = x + 4 \backslash]$$

EXPRESS D IN TERMS OF T AND X:

$$\left[D = \frac{x + 4}{t} \right]$$

FROM THE SECOND EQUATION:

$$\left[D |t - 1| = 9x + 4 \right]$$

SUBSTITUTE D:

$$\left[\frac{x + 4}{t} |t - 1| = 9x + 4 \right]$$

THIS EXPRESSION RELATES X AND T, WHICH CAN BE SOLVED FOR SPECIFIC VALUES OR RELATIONS.

CONSIDERING SPECIAL CASES AND SIMPLIFICATIONS

SUPPOSE M LIES BETWEEN C AND D, SO $(0 \leq t \leq 1)$. ALSO, IF THE PROBLEM IMPLIES THAT THE SEGMENTS ARE PROPORTIONAL (WHICH IS COMMON IN SUCH GEOMETRY PROBLEMS), THEN THE RATIOS OF SEGMENTS CAN BE USED TO FIND X DIRECTLY.

SOLVING FOR X: A STEP-BY-STEP APPROACH

GIVEN THE ALGEBRAIC EXPRESSIONS, THE TYPICAL GOAL IS:

- TO FIND THE VALUE OF X THAT SATISFIES ALL THE EQUATIONS.
- TO DETERMINE LENGTHS OR RATIOS INVOLVING X.

LET'S PROCEED STEP-BY-STEP:

STEP 1: FROM $(tD = x + 4)$, EXPRESS D:

$$\left[D = \frac{x + 4}{t} \right]$$

STEP 2: USE THE SECOND EQUATION:

$$\left[D |t - 1| = 9x + 4 \right]$$

SUBSTITUTE D:

$$\left[\frac{x + 4}{t} |t - 1| = 9x + 4 \right]$$

MULTIPLY BOTH SIDES BY T:

$$\left[(x + 4) |t - 1| = t(9x + 4) \right]$$

STEP 3: ANALYZE THE ABOVE EQUATION:

- IF $(t \leq 1)$, THEN $(|t - 1| = 1 - t)$.

So,

$$\backslash[(x+4)(1-t) = t(9x+4) \backslash]$$

STEP 4: EXPAND BOTH SIDES:

$$\backslash[(x+4) - (x+4)t = 9xt + 4t \backslash]$$

BRING ALL TERMS TO ONE SIDE:

$$\backslash[(x+4) - (x+4)t - 9xt - 4t = 0 \backslash]$$

GROUP LIKE TERMS:

$$\backslash[(x+4) - t[(x+4) + 9x + 4] = 0 \backslash]$$

SIMPLIFY THE EXPRESSION INSIDE THE BRACKETS:

$$\backslash[(x+4) + 9x + 4 = x + 4 + 9x + 4 = 10x + 8 \backslash]$$

THUS:

$$\backslash[(x+4) - t(10x+8) = 0 \backslash]$$

SOLVE FOR T:

$$\backslash[t = \frac{x+4}{10x+8} \backslash]$$

DETERMINING THE VALUE OF X

RECALL THAT T IS A PARAMETER BETWEEN 0 AND 1:

$$\backslash[0 \leq t \leq 1 \backslash]$$

THEREFORE,

$$\backslash[0 \leq \frac{x+4}{10x+8} \leq 1 \backslash]$$

INEQUALITY 1:

$$\backslash[\frac{x+4}{10x+8} \geq 0 \backslash]$$

INEQUALITY 2:

$$\backslash[\frac{x+4}{10x+8} \leq 1 \backslash]$$

SOLVING INEQUALITY 1:

$$\backslash[x+4 \geq 0 \rightarrow x \geq -4 \backslash]$$

AND

$$\left[10x + 8 > 0 \rightarrow x > -\frac{4}{5} \right]$$

SINCE THE DENOMINATOR MUST BE POSITIVE TO KEEP THE INEQUALITY VALID, THE COMBINED CONDITION:

$$\left[x > -\frac{4}{5} \right]$$

AND

$$\left[x \right]$$

FREQUENTLY ASKED QUESTIONS

GIVEN POINTS $M C = (x + 4)$ AND $M D = (9x + 4)$, HOW DO YOU FIND THE VALUE OF x IF THESE POINTS ARE EQUAL?

SET THE TWO EXPRESSIONS EQUAL: $x + 4 = 9x + 4$. SUBTRACT 4 FROM BOTH SIDES: $x = 9x$. THEN, SUBTRACT $9x$: $x - 9x = 0 \Rightarrow -8x = 0$, so $x = 0$.

IF $M E = (2x + 12)$ AND $M C = (x + 4)$, HOW CAN YOU DETERMINE THE VALUE OF x WHEN $M E$ EQUALS $M C$?

SET $2x + 12 = x + 4$. SUBTRACT x FROM BOTH SIDES: $x + 12 = 4$. THEN, SUBTRACT 12: $x = -8$.

WHAT IS THE SIGNIFICANCE OF SOLVING FOR x IN THESE EXPRESSIONS INVOLVING $M C$, $M D$, AND $M E$?

FINDING x ALLOWS US TO DETERMINE THE SPECIFIC POSITIONS OF POINTS $M C$, $M D$, AND $M E$ ALONG A LINE OR COORDINATE SYSTEM, WHICH IS ESSENTIAL FOR UNDERSTANDING THEIR RELATIVE LOCATIONS OR FOR CALCULATING DISTANCES.

HOW DO YOU INTERPRET THE EXPRESSIONS $MC = (x + 4)$, $MD = (9x + 4)$, AND $ME = (2x + 12)$ IN A GEOMETRIC CONTEXT?

THESE EXPRESSIONS LIKELY REPRESENT THE COORDINATES OR LENGTHS ASSOCIATED WITH POINTS $M C$, $M D$, AND $M E$ AS FUNCTIONS OF x . SOLVING FOR x HELPS IDENTIFY THEIR EXACT POSITIONS OR RELATIONSHIPS ON A GEOMETRIC FIGURE.

IF THE GOAL IS TO FIND THE COMMON VALUE OF x WHERE $M C$, $M D$, AND $M E$ SATISFY CERTAIN CONDITIONS, WHAT STEPS SHOULD YOU FOLLOW?

YOU SHOULD SET THE EXPRESSIONS EQUAL ACCORDING TO THE PROBLEM'S CONDITIONS (E.G., $MC = MD$ OR $MD = ME$), SOLVE FOR x IN EACH CASE, AND VERIFY IF THERE IS A COMMON SOLUTION THAT SATISFIES ALL CONDITIONS SIMULTANEOUSLY.

ADDITIONAL RESOURCES

IN CDE, $MC = (x + 4)$, $MD = (9x + 4)$, AND $ME = (2x + 12)$. FIND.

UNDERSTANDING THE RELATIONSHIPS AND CALCULATIONS INVOLVING POINTS IN COORDINATE GEOMETRY IS FUNDAMENTAL FOR STUDENTS AND ENTHUSIASTS ALIKE. THE PROBLEM PRESENTED INVOLVES THREE POINTS— $M C$, $M D$, AND $M E$ —DEFINED BY THEIR RESPECTIVE COORDINATE EXPRESSIONS. THE TASK IS TO FIND A PARTICULAR VALUE OR RELATIONSHIP BASED ON THESE POINTS, WHICH TYPICALLY INVOLVES CALCULATING DISTANCES, MIDPOINTS, SLOPES, OR OTHER GEOMETRIC PROPERTIES. THIS ARTICLE DELVES DEEPLY INTO THE PROBLEM, BREAKING DOWN EACH COMPONENT, EXPLORING THE CONCEPTS INVOLVED, AND GUIDING YOU THROUGH THE PROCESS OF SOLVING THE PROBLEM STEP-BY-STEP.

UNDERSTANDING THE GIVEN COORDINATES

THE FIRST STEP IN APPROACHING THIS PROBLEM IS TO INTERPRET THE NOTATION AND THE GIVEN COORDINATE EXPRESSIONS.

DECIPHERING THE COORDINATES

THE PROBLEM STATES:

- $MC = (X \ 4)$, WHICH APPEARS TO BE A TYPO OR FORMATTING ISSUE. IT LIKELY MEANS $MC = (x, 4)$, REPRESENTING A POINT WITH AN X-COORDINATE OF x AND A Y-COORDINATE OF 4.
- $MD = (9X + 4)$, WHICH SUGGESTS A POINT WITH AN X-COORDINATE OF $9x + 4$ AND AN UNKNOWN Y-COORDINATE; BUT SINCE THE PATTERN INDICATES THE COORDINATES, PERHAPS THE Y-COORDINATE IS MISSING OR IMPLIED.
- $ME = (2X + 12)$, SIMILARLY, INDICATES A POINT WITH AN X-COORDINATE OF $2x + 12$.

GIVEN THE PATTERN, THE MOST LOGICAL INTERPRETATION IS THAT:

- MC HAS COORDINATES $(x, 4)$.
- MD HAS COORDINATES $(9x + 4, y_D)$.
- ME HAS COORDINATES $(2x + 12, y_E)$.

HOWEVER, THE PROBLEM ONLY PROVIDES EXPRESSIONS WITH RESPECT TO x , WHICH SUGGESTS THAT ALL POINTS LIE ALONG A CERTAIN LINE OR THAT THE Y-COORDINATES ARE CONSTANTS OR FUNCTIONS OF x .

SINCE THE PROBLEM ASKS TO "FIND" SOMETHING, IT IS LIKELY ASKING TO FIND THE LENGTHS BETWEEN POINTS, THE AREA OF THE TRIANGLE THEY FORM, OR THE VALUE OF x THAT SATISFIES CERTAIN CONDITIONS.

INTERPRETING THE GEOMETRIC CONTEXT

TO PROCEED, UNDERSTANDING THE GEOMETRIC CONTEXT IS CRUCIAL. WE COULD BE DEALING WITH:

- THE DISTANCES BETWEEN THE POINTS.
- THE AREA OF THE TRIANGLE FORMED BY THESE POINTS.
- THE RATIO OF SEGMENTS ON A LINE.
- COORDINATES OF COLLINEAR POINTS.

GIVEN THE FORMAT, IT SEEMS MOST PROBABLE THAT THE TASK IS TO FIND THE VALUE OF x SUCH THAT THE POINTS SATISFY CERTAIN CONDITIONS OR TO COMPUTE DISTANCES.

CALCULATING DISTANCES BETWEEN POINTS

THE MOST COMMON TASK IN SUCH PROBLEMS INVOLVES CALCULATING THE DISTANCES BETWEEN POINTS $M C$, $M D$, AND $M E$, WHICH ARE TYPICALLY GIVEN BY THE DISTANCE FORMULA:

$$\text{Distance} = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

ASSUMING THE y -COORDINATES ARE AS INDICATED OR DEDUCED, WE CAN PROCEED.

DISTANCE BETWEEN $M C$ AND $M D$

SUPPOSE:

- $M C = (x, 4)$
- $M D = (9x + 4, y_D)$

IF y_D IS NOT SPECIFIED, A REASONABLE ASSUMPTION MIGHT BE THAT ALL POINTS ARE ON THE SAME HORIZONTAL LINE OR THAT THE y -COORDINATES ARE ZERO UNLESS OTHERWISE INDICATED.

ALTERNATIVELY, IF THE POINTS ARE ON A LINE WITH VARYING y , PERHAPS THE PROBLEM WANTS THE DISTANCES ALONG THE x -AXIS ONLY.

FOR SIMPLICITY, LET'S ASSUME THE y -COORDINATES ARE ZERO UNLESS SPECIFIED:

- $M C = (x, 4)$
- $M D = (9x + 4, 0)$
- $M E = (2x + 12, 0)$

THIS ASSUMPTION ALLOWS US TO FOCUS ON THE X-COORDINATES FOR CERTAIN CALCULATIONS.

STEP-BY-STEP CALCULATION APPROACH

BASED ON THE ASSUMPTIONS, THE KEY STEPS INVOLVE:

1. IDENTIFYING WHAT EXACTLY NEEDS TO BE CALCULATED (DISTANCE, RATIO, AREA, ETC.).
2. CALCULATING DISTANCES BETWEEN PAIRS OF POINTS.
3. USING ALGEBRAIC EXPRESSIONS TO FIND THE VALUE OF X.
4. VERIFYING WHETHER THE POINTS SATISFY ADDITIONAL CONDITIONS, LIKE COLLINEARITY OR FORMING SPECIFIC RATIOS.

CALCULATING THE DISTANCES

ASSUMING THE POINTS ARE ON A COORDINATE PLANE WITH KNOWN X AND Y-COORDINATES:

DISTANCE BETWEEN M C AND M D:

$$\sqrt{(9x + 4 - x)^2 + (0 - 4)^2} = \sqrt{(8x + 4)^2 + (-4)^2}$$

\[

$$\text{MD} = \sqrt{(8x + 4)^2 + 16}$$

SIMILARLY, DISTANCE BETWEEN M C AND M E:

$$\text{ME} = \sqrt{((2x + 12) - x)^2 + (0 - 4)^2} = \sqrt{(x + 12)^2 + 16}$$

FINDING RELATIONSHIPS OR SPECIFIC VALUES OF X

DEPENDING ON THE PROBLEM'S GOAL, THE NEXT STEPS COULD INVOLVE:

- SETTING THESE DISTANCES EQUAL TO EACH OTHER.
- USING THE DISTANCES TO COMPUTE RATIOS.
- SOLVING FOR X BASED ON GIVEN CONDITIONS.

SUPPOSE THE PROBLEM ASKS TO FIND X SUCH THAT THE DISTANCES SATISFY A CERTAIN RATIO OR CONDITION, FOR EXAMPLE:

$$\text{MD} = 2 \times \text{ME}$$

THEN:

$$\sqrt{(8x + 4)^2 + 16} = 2 \times \sqrt{(x + 12)^2 + 16}$$

SQUARING BOTH SIDES:

$$(8x + 4)^2 + 16 = 4 \times [(x + 12)^2 + 16]$$

\]

EXPANDING:

\[

$$(64x^2 + 64x + 16) + 16 = 4(x^2 + 24x + 144 + 16)$$

\]

\[

$$64x^2 + 64x + 32 = 4x^2 + 96x + 4 \times 160$$

\]

\[

$$64x^2 + 64x + 32 = 4x^2 + 96x + 640$$

\]

BRINGING ALL TO ONE SIDE:

\[

$$64x^2 - 4x^2 + 64x - 96x + 32 - 640 = 0$$

\]

SIMPLIFY:

\[

$$60x^2 - 32x - 608 = 0$$

\]

DIVIDE THROUGH BY 4:

\[

$$15x^2 - 8x - 152 = 0$$

\]

SOLVE THIS QUADRATIC USING THE QUADRATIC FORMULA:

\[

$$x = \frac{8 \pm \sqrt{(-8)^2 - 4 \times 15 \times (-152)}}{2 \times 15}$$

\]

$$x = \frac{8 \pm \sqrt{64 + 4 \times 15 \times 152}}{30}$$

CALCULATE DISCRIMINANT:

$$4 \times 15 \times 152 = 4 \times 2280 = 9120$$

ADD TO 64:

$$64 + 9120 = 9184$$

CALCULATE THE SQUARE ROOT:

$$\sqrt{9184} \approx 95.84$$

NOW, COMPUTE X:

$$x = \frac{8 \pm 95.84}{30}$$

- FOR THE POSITIVE ROOT:

$$x = \frac{8 + 95.84}{30} = \frac{103.84}{30} \approx 3.46$$

- FOR THE NEGATIVE ROOT:

$$x = \frac{8 - 95.84}{30} = \frac{-87.84}{30} \approx -2.93$$

THUS, DEPENDING ON THE SPECIFIC CONDITION, THE VALUE OF x COULD BE APPROXIMATELY 3.46 OR -2.93.

INTERPRETING THE RESULTS AND FINAL STEP

ONCE x IS DETERMINED, SUBSTITUTE BACK INTO THE COORDINATE EXPRESSIONS TO FIND THE EXACT POSITIONS OF POINTS M_C , M_D , AND M_E .

YOU CAN THEN COMPUTE THE DISTANCES WITH THE PRECISE x VALUES TO VERIFY THE RELATIONSHIPS OR FIND THE SPECIFIC MEASUREMENT ASKED FOR.

FEATURES, PROS, AND CONS OF THIS APPROACH

FEATURES:

- UTILIZES ALGEBRAIC METHODS TO HANDLE COORDINATE EXPRESSIONS.
- ALLOWS FOR FLEXIBLE PROBLEM-SOLVING BASED ON DIFFERENT CONDITIONS.
- CAN BE EXTENDED TO FIND AREAS, RATIOS, OR OTHER PROPERTIES.

PROS:

- CLEAR STEP-BY-STEP METHODOLOGY.
- ADAPTABLE TO VARIOUS PROBLEMS WITH SIMILAR STRUCTURES.
- REINFORCES UNDERSTANDING OF COORDINATE GEOMETRY CONCEPTS.

CONS:

- ASSUMES CERTAIN INTERPRETATIONS (E.G., y -COORDINATES) WHICH MIGHT NOT BE EXPLICITLY PROVIDED.
- CAN BECOME COMPLEX WITH MORE COMPLICATED EXPRESSIONS OR ADDITIONAL CONDITIONS.
- REQUIRES ALGEBRAIC MANIPULATION SKILLS, WHICH MAY BE CHALLENGING FOR SOME LEARNERS.

CONCLUSION

THE PROBLEM INVOLVING IN CDE,

IN CDE M C X 4 Mc X4 M D 9 X 4 Md 9x 4 AND ME 2 X 12 Me 2x 12 FIND

IN CDE M C X 4 Mc X4 M D 9 X 4 Md 9x 4 AND ME 2 X 12 Me 2x 12 FIND

RELATED ARTICLES

- GROUPON IS TALKED ABOUT IN THE MEDIA, DISCUSSED BETWEEN FRIENDS, AND FEATURED IN A TEXTBOOK. THESE ARE
- I WILL GIVE BRANLIEST 5. READ THE SENTENCE, FIND THE ERROR AND REWRITE IT. TRYPSIN SECRETED BY SALIVARY
- IF THE SA NODE IS NOT FUNCTIONING, AN ECG WILL SHOW _____.A.) MORE P WAVES THAN QRS WAVESB.) HIGHER

[BACK TO HOME](#)