



وزارة التربية والتعليم و التعليم الفني
الإدارة المركزية للتعليم العام
إدارة تنمية مادة الرياضيات



برعاية معالي وزير التربية والتعليم و التعليم الفني السيد الأسناذ / محمد عبد اللطيف



ونوجيهات رئيس الإدارة المركزية للتعليم العام

د / هالة عبد السلام خفاجى

إشراف علمي

مسنشار الرياضيات

أ / منال عزقول

إدعاءات ونقييمات لمنهج الرياضيات العامة لفات

للفص الثاني الثانوي "أدبى"

الفصل الدراسي الأول

للعام الدراسي 2026 / 2027



الاسبوع الأول

مراجعة

إعداد

أ / محمود السيد

أ / محمد عبد العاطى

ترجمة

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مراجعة الترجمة

أ / عمرو فاروق

أ / شريف البرهامى



الرياضيات العامة للمصف الثاني الثانوي (القسم الأدبي) باللغة الانجليزية - الأداء الصفي - الأسبوع الاول

1) In $\triangle ABC$, if $m(\angle A) = 28^\circ$, $m(\angle B) = 70^\circ$ and $c = 9 \text{ cm}$, then find b .

to the nearest to two decimal places

2) In $\triangle ABC$, if $m(\angle A) = 85^\circ$, $m(\angle C) = 40^\circ$ and *its perimeter* $= 30 \text{ cm}$, then

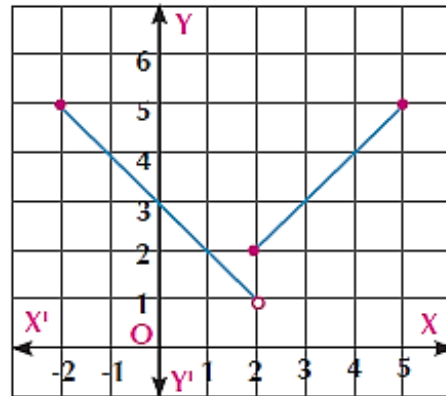
find $b + c$ to the nearest one decimal place

3) In $\triangle ABC$, if $2 \sin A = 3 \sin B = 4 \sin C$, then find $a : b : c$.

4) The opposite graph represents the relation between X and Y .

Is Y a function of X ?

If yes,
determine the domain and range.

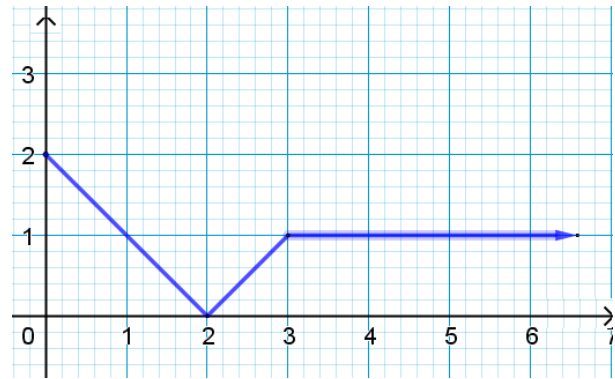


$$5) \text{ If } f(x) = \begin{cases} x^2 - 2 & , -2 \leq x < 3 \\ x + 4 & , x \geq 3 \end{cases}$$

Find the value of each of: $f(3)$, $f(-1)$ and $f(5)$



6) If the opposite graph represents a function f , Determine the domain and the range of f .



7) Find the domain of the function $f: f(x) = \sqrt{x - 2}$

8) If $f: [-4, 4] - \{-2\} \rightarrow R$

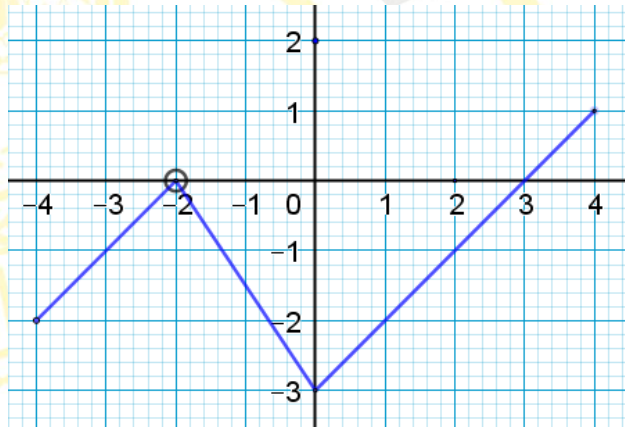
, the opposite graph represents the Function f , find if possible:

a) $f(-2)$

b) $f(0)$

c) $\lim_{x \rightarrow -2} f(x)$

d) $\lim_{x \rightarrow 2} f(x)$



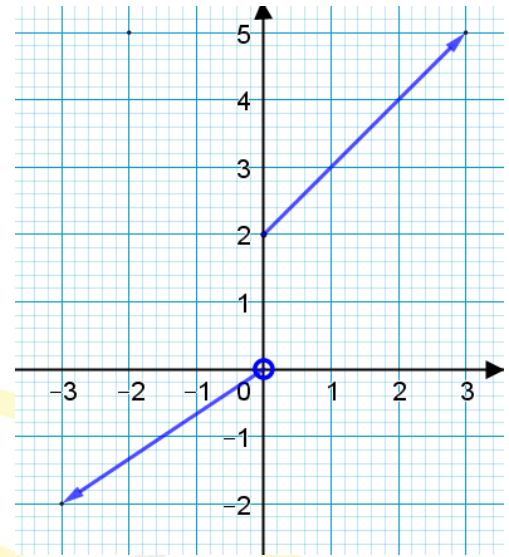


9) Use the given graph to find:

a) $f(1)$

b) $f(0)$

c) $\lim_{x \rightarrow 0} f(x)$



10) If the opposite figure represents

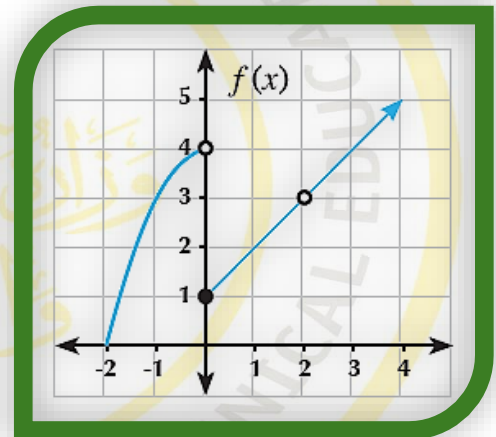
the graphical representation of

the function f , then find:

a) $f(0)$

b) $f(2)$

c) $\lim_{x \rightarrow 2} f(x)$



الرياضيات العامة للصف الثاني الثانوي (القسم الأدبي) باللغة الانجليزية - الأداء المنزلي - الأسبوع الاول

1) In $\triangle ABC$, if $m(\angle A) = 72^\circ$, $m(\angle B) = 50^\circ$ and $c = 18 \text{ cm}$, then find a .

to the nearest to two decimal places

2) In $\triangle ABC$, if $m(\angle A) = 44^\circ$, $m(\angle C) = 56^\circ$ and *its perimeter* = 15 cm , then find $a - c$ to the nearest one decimal place

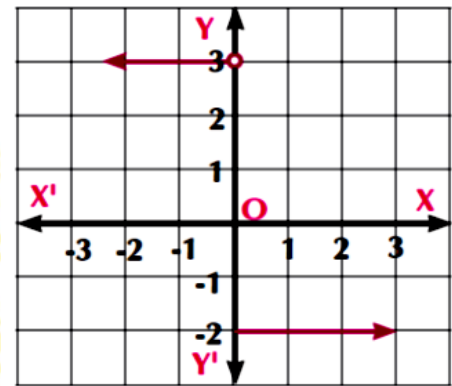
3) In $\triangle ABC$, if $10 \sin A = 5 \sin B = 4 \sin C$, then find $a : b : c$.

4) The opposite graph represents the relation between X and Y .

Is Y a function of X ?

If yes, determine:

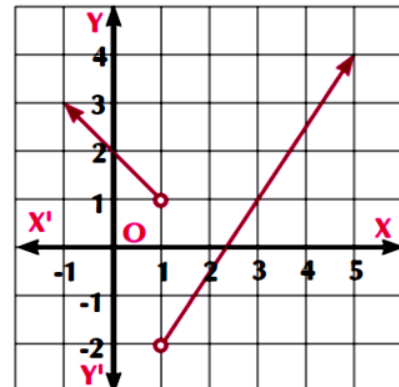
the domain and range.



5) If $f(x) = \begin{cases} 2x^2 - 7 & , -1 \leq x < 4 \\ 6x + 1 & , x \geq 4 \end{cases}$

Find the value of each of: $f(3)$, $f(4)$ and $f(6)$

6) If the opposite graph represents a function f , Determine the domain and the range of f .





7) Find the domain of the function $f: f(x) = \frac{x+3}{x^3-1}$

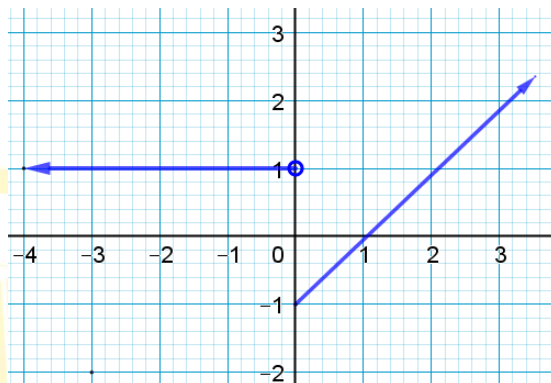
8) The opposite graph represents the Function f , find if possible:

a) $f(2)$

b) $f(0)$

c) $\lim_{x \rightarrow 2} f(x)$

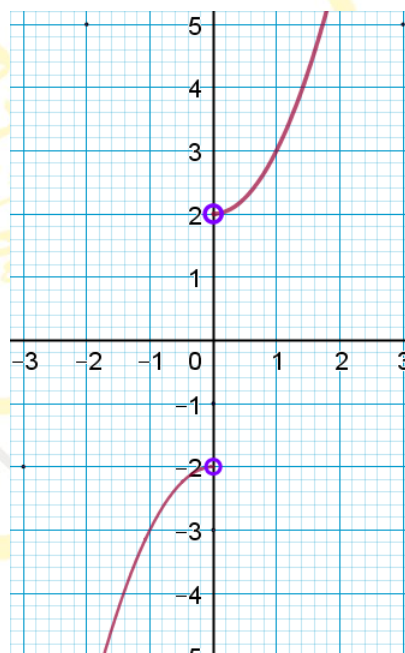
d) $\lim_{x \rightarrow 0} f(x)$



9) Use the given graph to find:

a) $f(0)$

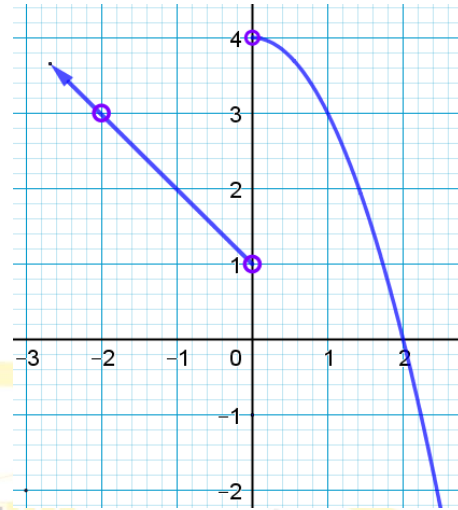
b) $\lim_{x \rightarrow 0} f(x)$





10) If the opposite figure represents
the graphical representation of
the function f , then find:

- a) $f(0)$
- b) $f(-2)$
- c) $\lim_{x \rightarrow 0} f(x)$



The First Group

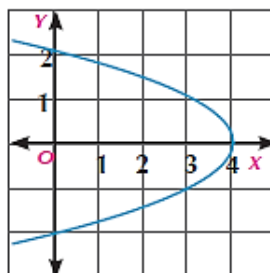
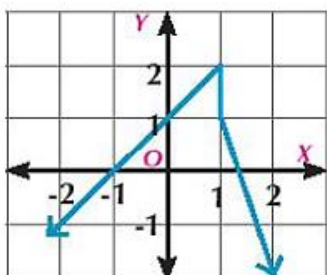
1) In $\triangle XYZ$, if $m(\angle X) = 75^\circ$, $m(\angle Y) = 25^\circ$ and $z = 14 \text{ cm}$, then

find the perimeter of $\triangle XYZ$.

2) In $\triangle XYZ$, if $m(\angle X): m(\angle Y): m(\angle Z) = 5:6:7$ and $x = 5 \text{ cm}$, then

find area of $\triangle XYZ$ to the nearest cm^2 .

3) In the following figure: Discuss whether y is a function of x or not?



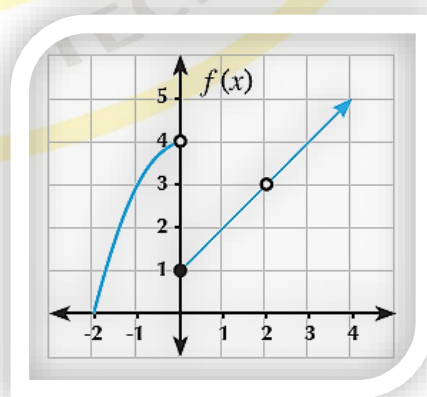
4) Find the domain of the function $f: f(x) = \frac{x+1}{x^2-1}$

5) If the opposite figure represents the graphical representation of the function f , then find:

a) $f(1)$

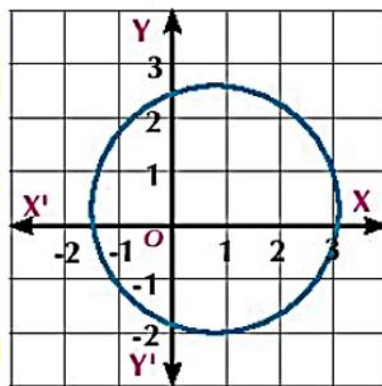
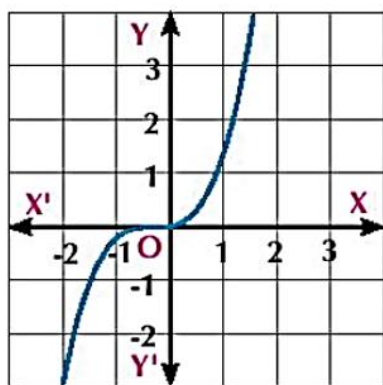
b) $f(3)$

c) $\lim_{x \rightarrow 0} f(x)$



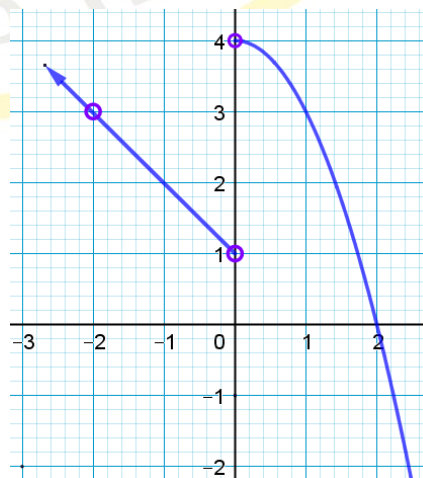
The Second Group

- 1) In $\triangle XYZ$, if $m(\angle X) = 59^\circ$, $m(\angle Y) = 81^\circ$ and $z = 12 \text{ cm}$, then find the perimeter of $\triangle XYZ$.
- 2) In $\triangle XYZ$, if $m(\angle X): m(\angle Y): m(\angle Z) = 3:4:5$ and $x = 16 \text{ cm}$, then find area of $\triangle XYZ$ to the nearest cm^2 .
- 3) In the following figure: Discuss whether y is a function of x or not?



- 4) Find the domain of the function $f: f(x) = \frac{x+6}{x^2-4}$
- 5) If the opposite figure represents the graphical representation of the function f , then find:

- a) $f(3)$
- b) $f(-1)$
- c) $\lim_{x \rightarrow -2} f(x)$



The Third Group

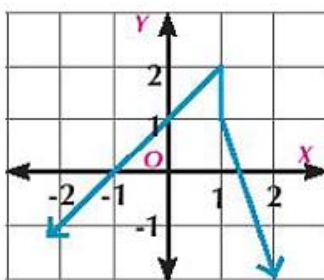
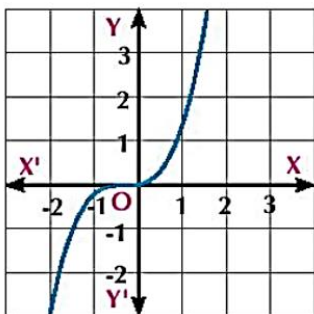
1) In $\triangle XYZ$, if $m(\angle X) = 65^\circ$, $m(\angle Y) = 35^\circ$ and $z = 14 \text{ cm}$, then

find the perimeter of $\triangle XYZ$.

2) In $\triangle XYZ$, if $m(\angle X): m(\angle Y): m(\angle Z) = 5:6:8$ and $x = 7 \text{ cm}$, then

find area of $\triangle XYZ$ to the nearest cm^2 .

3) In the following figure: Discuss whether v is a function of x or not?



4) Find the domain of the function $f: f(x) = \frac{x+2}{x^2-9}$

5) If the opposite figure represents

the graphical representation of

the function f , then find:

a) $f(0)$

b) $f(2)$

c) $\lim_{x \rightarrow 0} f(x)$

