



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

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

وتوجيهات رئيس الإدارة المركزية للتعليم العام

د/ هالة عبد السلام خفاجي

إشراف علمي
مستشار الرياضيات
أ/ منال عزقول

أداءات وتقييمات لمنهج الرياضيات العامة لغات

للفصل الثاني الثانوي "أدبي"
الفصل الدراسي الأول
للعام الدراسي 2025 / 2026

الأسبوع الثالث

لجنة الإعداد

د/ مدحت عطية شعراوي

أ/ إيهاب فتحى

لجنة الترجمة

أ/ بلال محمد رومية

أ/ أحمد حسن أبو المعاطي

أ/ أماني الشهاوى

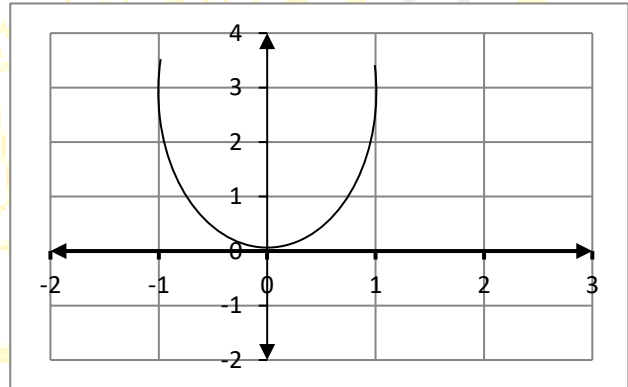
مراجعة الترجمة

أ/ شريف البرهامي

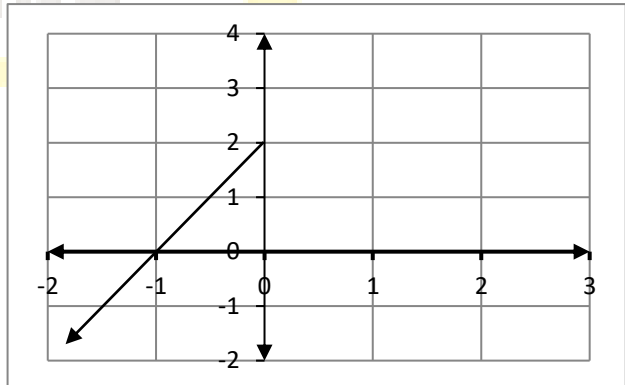
الرياضيات العامة - للصف الثاني الثانوي (القسم الأدبي) باللغة الانجليزية - الأداء الصفّي - الأسبوع الثالث

- 1) Solve ΔABC in which $m(\angle A) = 97^\circ$, $m(\angle C) = 23^\circ$, $a = 8$ cm
- 2) Solve ΔXYZ in which $m(\angle X) = 80^\circ$, $m(\angle Y) = 35^\circ$, $Z = 16$ cm
- 3) Solve ΔABC in which $m(\angle A) = 50^\circ$, $C = 10$ cm , $a = b$
- 4) Find : $\lim_{x \rightarrow 2} (x^2 - 9x + 7)$
- 5) Find : $\lim_{x \rightarrow 1} \frac{2x+3}{x+2}$
- 6) Find : $\lim_{x \rightarrow -2} (x^2 + 5x - 3)$
- 7) Find : $\lim_{x \rightarrow 0} \frac{x+1}{x-4}$
- 8) Find : $\lim_{x \rightarrow \frac{\pi}{4}} \frac{\tan x}{x}$

9) In The opposite figure discuss
the monotonicity of the following
function :



10) In The opposite figure discuss
the monotonicity of the following
function :



11) Determine which of the functions defined by the following rules is even ,
odd or other wise:

(a) $f(x) = x^2 + 7$

(b) $g(x) = x^3 - x$

12) Determine which of the functions defined by the following rules is even ,
odd or other wise:

(a) $f(x) = x^4 - x^2 + 1$

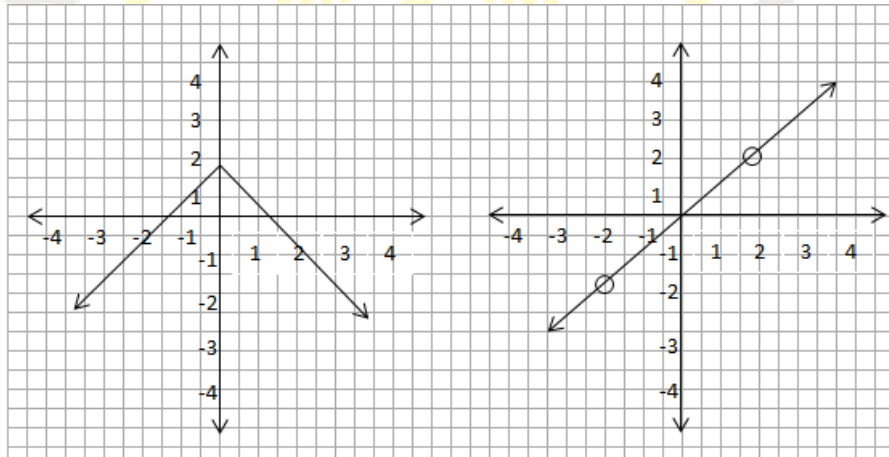
(b) $g(x) = x^5 + x$

13) Determine which of the functions defined by the following rules is even ,
odd or other wise:

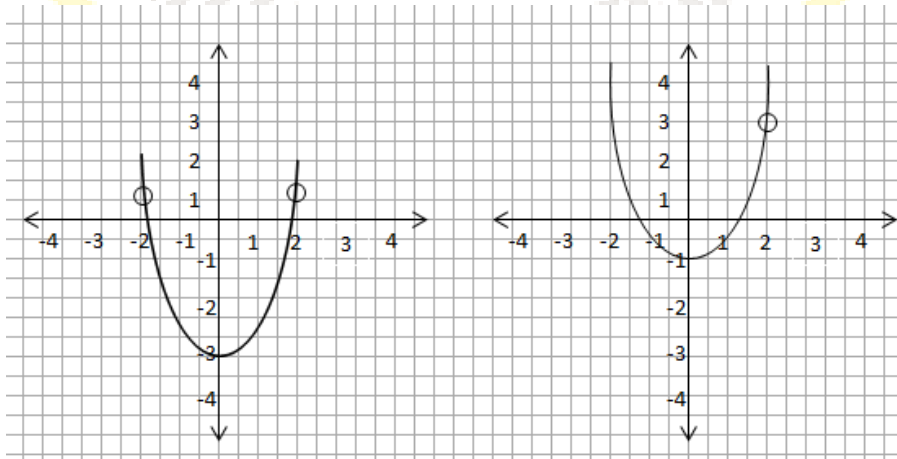
(a) $f(x) = 2x - 3$

(b) $g(x) = \cos x$

14) Determine which of the functions defined by the following rules is even ,
odd or other wise:



15) Determine which of the functions defined by the following rules is even ,
odd or other wise:



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

1) Solve ΔABC in which $m(\angle A) = 65^\circ$, $m(\angle B) = 35^\circ$, $c = 10$ cm

2) Solve ΔXYZ in which $m(\angle Z) = 45^\circ$, $m(\angle Y) = 60^\circ$, $x = 9$ cm

3) Solve ΔABC in which $m(\angle A) = 40^\circ$, $C = 12$ cm, $a = c$

4) Find : $\lim_{x \rightarrow 3} (2x^2 - x + 1)$

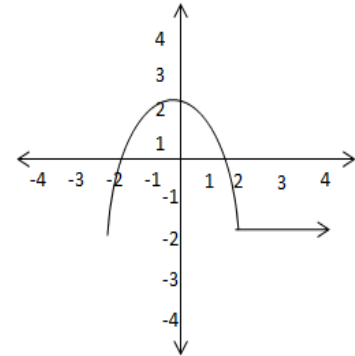
5) Find : $\lim_{x \rightarrow 0} \frac{4x-5}{2x+3}$

6) Find : $\lim_{x \rightarrow -1} (x^2 - 3x + 5)$

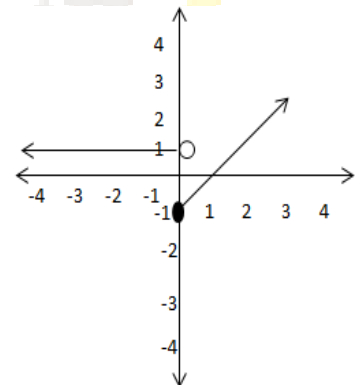
7) Find : $\lim_{x \rightarrow 1} \frac{4}{x+3}$

8) Find : $\lim_{x \rightarrow \frac{\pi}{4}} \frac{4 \tan x}{x}$

9) In The opposite figure discuss the monotonicity
of the following function:



10) In The opposite figure discuss the monotonicity
of the following function:



11) Determine which of the functions defined by the following rules is even ,
odd or other wise:

(a) $f(x) = 3x^2 + 6$

(b) $g(x) = x^3 - 4x$

12) Determine which of the functions defined by the following rules is even ,
odd or other wise:

(a) $f(x) = x^4 - x$

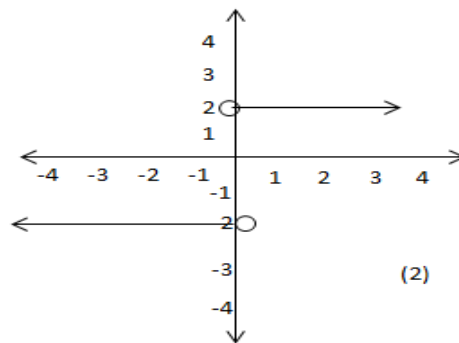
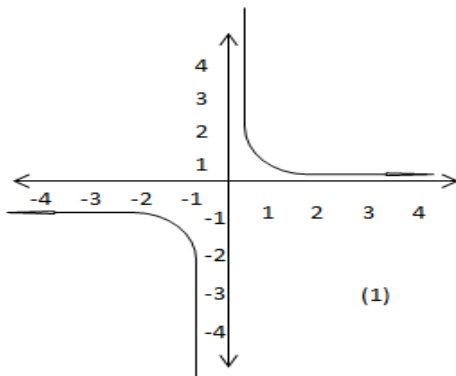
(b) $g(x) = x^3 + 1$

13) Determine which of the functions defined by the following rules is even ,
odd or other wise:

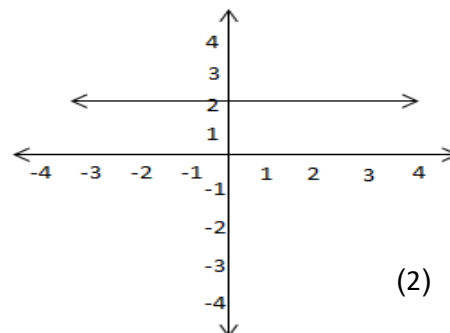
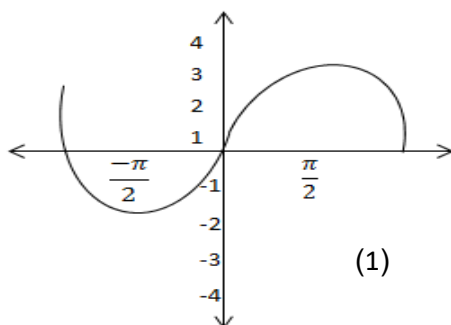
(a) $f(x) = x + 7$

(b) $g(x) = \tan x$

14) Determine which of the functions defined by the following rules is even ,
odd or other wise:



15) Determine which of the functions defined by the following rules is even ,
odd or other wise:



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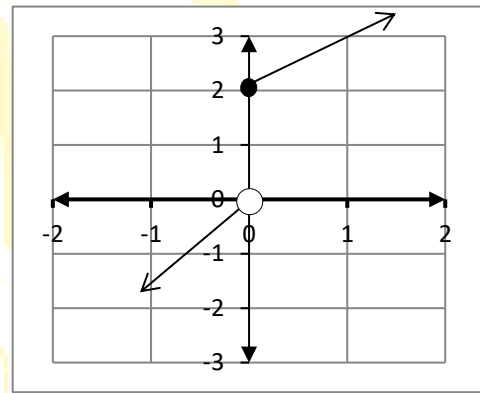
Frist group

1) Solve ΔABC in which $m(\angle C) = 40^\circ$, $m(\angle B) = 25^\circ$, $a = 20$ cm

2) Find : $\lim_{x \rightarrow 2} (x^2 - 4x + 2)$

3) Find : $\lim_{x \rightarrow 3} \frac{x+1}{x+5}$

4) In The opposite figure discuss the monotonicity of the following function :



5) Determine which of the functions defined by the following rules is even , odd or other wise:

(a) $f(x) = x^2 + 4$

(b) $g(x) = x^3 + x$

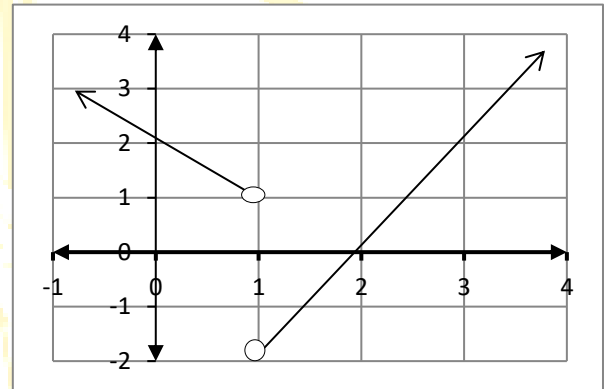
Second group

1) Solve ΔABC in which $m(\angle A) = 60^\circ$, $m(\angle C) = 55^\circ$, $b = 15$ cm

2) Find : $\lim_{x \rightarrow 1} (5x^2 + x + 4)$

3) Find : $\lim_{x \rightarrow 2} \frac{2x-1}{x+4}$

4) In The opposite figure discuss the monotonicity of the following function:



5) Determine which of the functions defined by the following rules is even , odd or other wise:

(a) $f(x) = x^2 + x$

(b) $g(x) = 4x^3 + 5x$

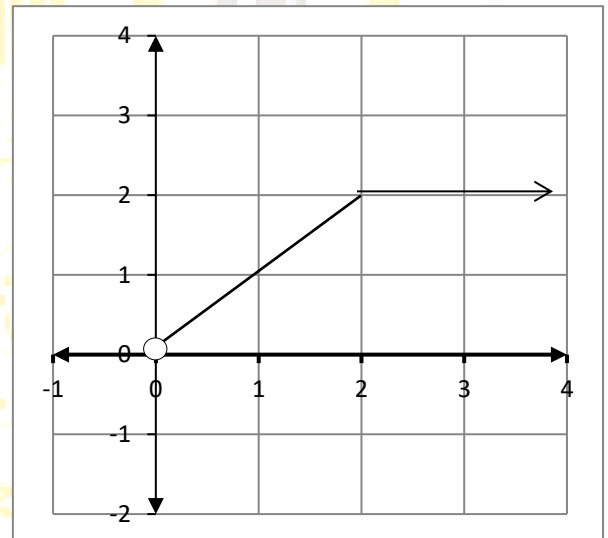
Third group

1) Solve ΔABC in which $m(\angle A) = 70^\circ$, $m(\angle B) = 45^\circ$, $c = 12$ cm

2) Find : $\lim_{x \rightarrow 0} (3x^2 + 2x + 5)$

3) Find : $\lim_{x \rightarrow 1} \frac{x+1}{3x-4}$

4) In The opposite figure discuss the monotonicity of the following function :



5) Determine which of the functions defined by the following rules is even , odd or other wise:

(a) $f(x) = x^4 + x^2$

(b) $g(x) = x^3 + 5$