شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية

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موقع المناهج الإماراتية

نموذج أسئلة اختبار وفق الهيكل الوزاري

التواصل الاجتماعي بحسب الصف الثاني عشر العام




روابط مواد الصف الثاني عشر العام على تلغرام

التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات

المزيد من الملفات بحسب الصف الثاني عشر العام والمادة رياضيات في الفصل الأول

1	أوراق عمل درس تحليل التمثيلات البيانية للدوال والعلاقات من الوحدة الأولى
2	أوراق عمل الدرس الأول الدوال من الوحدة الأولى
3	حل أسئلة الامتحان النهائي - منهج بريدج
4	حل أسئلة امتحان وفق الهيكل الوزاري
5	مراجعة عامة وفق الهيكل الوزاري

هيكل الاختبار

1

12 General

MATH 2022-2023

MR – AHMED ATA

الصفحة الرسمية

البرنامج المميز

https://t.me/ahmedatamath

0566010255 - 0502070147

1

if $g(x) = 2x^2 + 18x - 14$ Find $g(9)$

***a*) 300**

***b*) 310**

***c*) 219**

***d*) 132**

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if $g(x) = 2x^2 + 18x - 14$ Find $g(3x)$

$a)\ 18x^2 + 54x - 14$

$b)\ 18x^2 - 54x - 14$

$c)\ 18x^2 + 54x + 14$

$d)\ 9x^2 + 54x - 14$

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3

if $h(y) = -3y^3 - 6y + 9$ Find $h(4)$

$a)\ 300$ $b)\ 310$

$c)\ -207$ $d)\ 207$

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4

if $h(y) = -3y^3 - 6y + 9$ Find $h(-2y)$

$a) -24y^2 + 12y + 9$

$b) 24y^2 + 12y$

$c) 12y^2 + 24y + 9$

$d) 24y^2 + 12y + 9$

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5

if $f(t) = \dfrac{4t + 11}{3t^2 + 5t + 1}$ Find $f(-6)$

$a) -\dfrac{13}{79}$

$b) \dfrac{13}{79}$

$c) \dfrac{79}{13}$

$d) -\dfrac{79}{13}$

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if $f(t) = \dfrac{4t + 11}{3t^2 + 5t + 1}$ Find $f(4t)$

$\boldsymbol{a)} \dfrac{16t + 11}{48t^2 + 20t + 1}$

$\boldsymbol{b)} \dfrac{16t - 11}{48t^2 + 20t + 1}$

$\boldsymbol{c)} \dfrac{t + 11}{48t^2 + 20t + 1}$

$\boldsymbol{d)} \dfrac{16t + 11}{t^2 + 20t + 1}$

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7

if $g(x) = \frac{3x^3}{x^2 + x - 4}$ Find $g(-2)$

$a)\ 12$

$b)\ -0.8$

$c)\ 20$

$d)\ 3$

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8

if $h(x) = 16 - \frac{12}{2x+3}$ Find $h(-3)$

$a)12$

$b) -0.8$

$c)\ 20$

$d)\ 3$

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if $f(x) = -7 + \frac{6x+1}{x}$ Find $f(5)$

$a)\ 12$

$b)\ -0.8$

$c)\ 20$

$d)\ 3$

10

if $g(m) = 3 + \sqrt{m^2 - 4}$ Find $g(3m)$

$a) 9 + \sqrt{m^2 - 4}$

$b) 3 + \sqrt{9m^2 - 4}$

$c) \sqrt{9m^2 + 4}$

$d) 3 - \sqrt{9m^2 - 4}$

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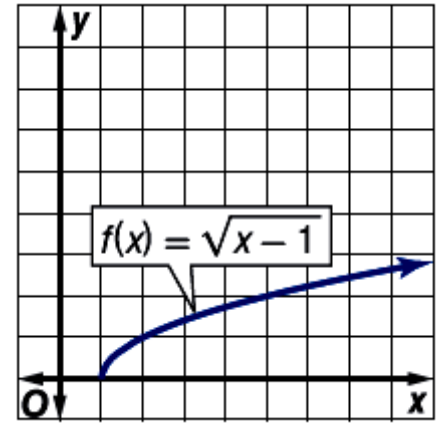
Use the graph of each function to find its y-intercept and zero(s).



$a)\ y-intercept\ Non\ ,zeros\ x=1$

$b)\ y-intercept\ y=0\ ,zeros\ x=1$

$c)\ y-intercept\ y=0\ ,zeros\ x=-1,0,1.5$

$d)\ y-intercept\ y=1\ ,zeros\ x=1.5$

AHMED ATA

Use the graph of each function to find its y-intercept and zero(s).

$a)\ y-intercept\ Non\ ,zeros\ x=1$

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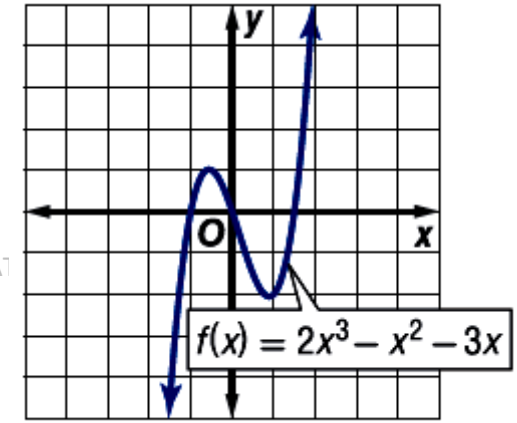

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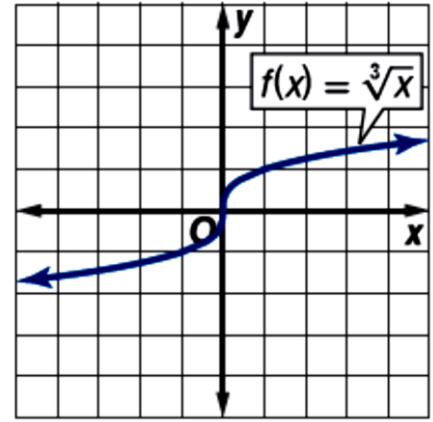

$a)\ y-intercept\ Non\ , zeros\ x=1$

$b)\ y-intercept\ y=0\ , zeros\ x=0$

$c)\ y-intercept\ y=0\ , zeros\ x=-1,0$

$d)\ y-intercept\ y=1\ , zeros\ \ Non$

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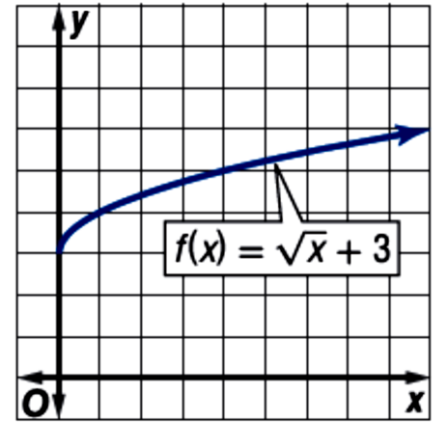
Use the graph of each function to find its y-intercept and zero(s).

$a)\ y-intercept\ Non\ , zeros\ x=3$

$b)\ y-intercept\ y=0\ , zeros\ x=1$

$c)\ y-intercept\ y=0\ , zeros\ x=3$

$d)\ y-intercept\ y=3\ , zeros\ x\ Non$



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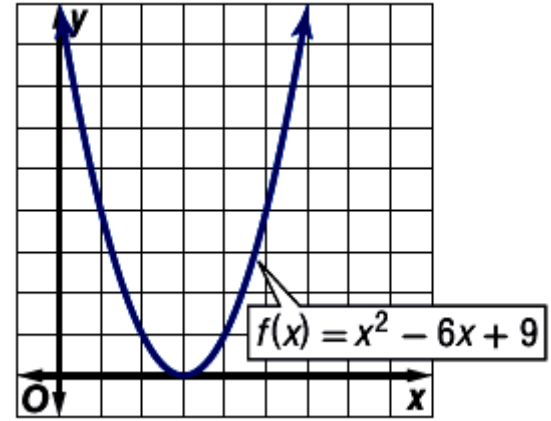
Use the graph of each function to find its y-intercept and zero(s).



$a)\ y-intercept\ Non\ , zeros\ x = 3$

$b)\ y-intercept\ y = 0\ , zeros\ x = 1$

$c)\ y-intercept\ y = 9\ , zeros\ x = 3$

$d)\ y-intercept\ y = 9\ , zeros\ x = -3$

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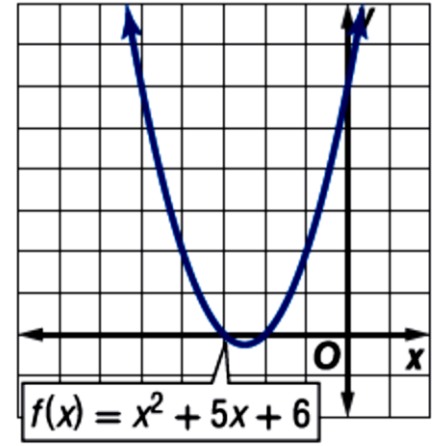
Use the graph of each function to find its y-intercept and zero(s).



$a)\ y-intercept\ Non\ , zeros\ x=3$

$b)\ y-intercept\ y=6\ , zeros\ x=-3,-2$

$c)\ y-intercept\ y=6\ , zeros\ x=-2,-1$

$d)\ y-intercept\ y=6\ , zeros\ x=-3,2$

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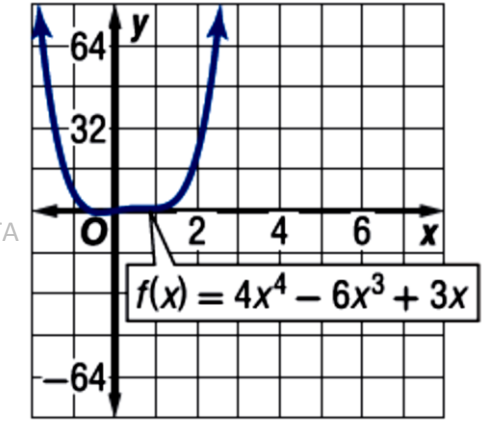
Use the graph of each function to describe its end behavior.

a) $\lim_{x\to-\infty} f(x) = -\infty$, $\lim_{x\to\infty} f(x) = \infty$

b) $\lim_{x\to-\infty} f(x) = \infty$, $\lim_{x\to\infty} f(x) = -\infty$

c) $\lim_{x\to-\infty} f(x) = -\infty$, $\lim_{x\to\infty} f(x) = -\infty$

d) $\lim_{x\to-\infty} f(x) = \infty$, $\lim_{x\to\infty} f(x) = \infty$



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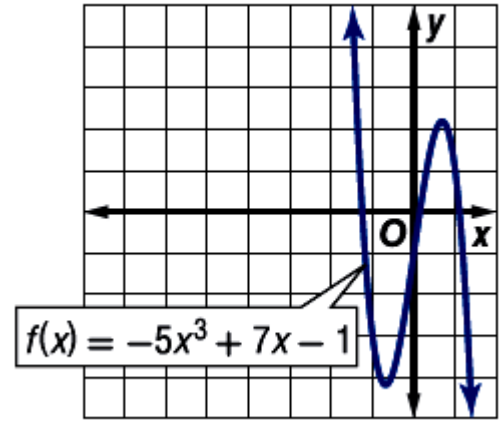
c) $\lim_{x\to-\infty} f(x) = -\infty$, $\lim_{x\to\infty} f(x) = -\infty$

d) $\lim_{x\to-\infty} f(x) = \infty$, $\lim_{x\to\infty} f(x) = \infty$



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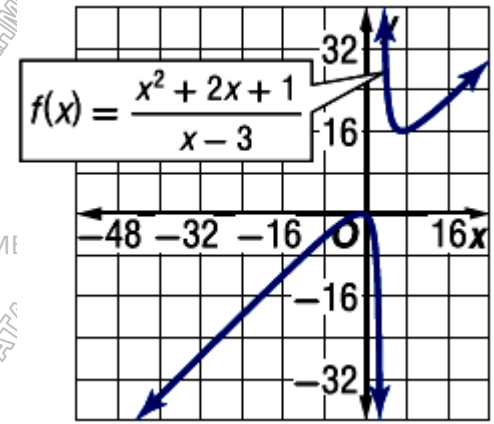
c) $\lim_{x\to-\infty} f(x) = -\infty$, $\lim_{x\to\infty} f(x) = -\infty$

d) $\lim_{x\to-\infty} f(x) = \infty$, $\lim_{x\to\infty} f(x) = \infty$



AHMED ATA

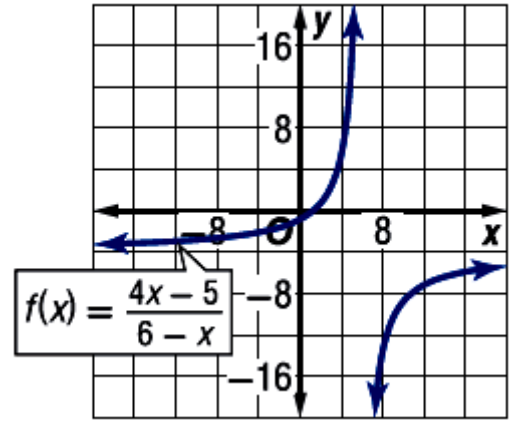
Use the graph of each function to describe its end behavior.

$a)\ \lim_{x\to-\infty} f(x) = 0\ ,\ \lim_{x\to\infty} f(x) = \infty$

$b)\ \lim_{x\to-\infty} f(x) = \infty\ ,\ \lim_{x\to\infty} f(x) = 0$

$c)\ \lim_{x\to-\infty} f(x) = -4\ ,\ \lim_{x\to\infty} f(x) = -4$

$d)\ \lim_{x\to-\infty} f(x) = 3\ ,\ \lim_{x\to\infty} f(x) = 2$



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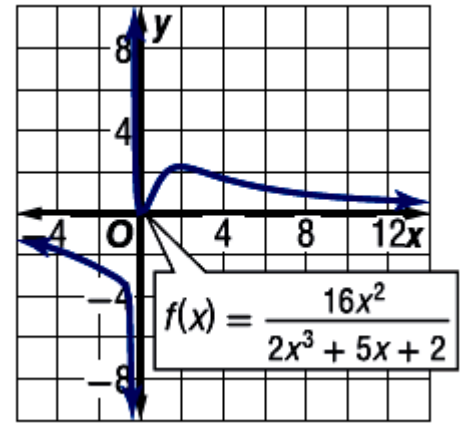
$b)\ \lim_{x\to-\infty} f(x) = 0\ ,\ \lim_{x\to\infty} f(x) = 0$

$c)\ \lim_{x\to-\infty} f(x) = -\infty\ ,\ \lim_{x\to\infty} f(x) = -\infty$

$d)\ \lim_{x\to-\infty} f(x) = \infty\ ,\ \lim_{x\to\infty} f(x) = \infty$



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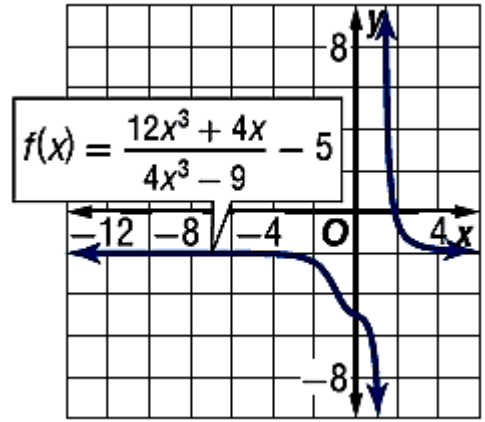
Use the graph of each function to describe its end behavior.

a) $\lim_{x\to-\infty} f(x) = -\infty$, $\lim_{x\to\infty} f(x) = \infty$

b) $\lim_{x\to-\infty} f(x) = 0$, $\lim_{x\to\infty} f(x) = 0$

c) $\lim_{x\to-\infty} f(x) = -\infty$, $\lim_{x\to\infty} f(x) = -\infty$

d) $\lim_{x\to-\infty} f(x) = \infty$, $\lim_{x\to\infty} f(x) = \infty$



Find the average rate of change of each function on the given interval.

$$g(x) = -4x^2 + 3x - 4; [-1, 3]$$

***a*) − 5**

***b*) 28**

***c*) 140**

***d*) − 16**

Find the average rate of change of each function on the given interval.

$$g(x) = 3x^2 - 8x + 2; [4, 8]$$

***a*) – 5**

***b*) 28**

***c*) 140**

***d*) – 16**

Find the average rate of change of each function on the given interval.

$$f(x) = 3x^3 - 2x^2 + 6; [2, 6]$$

***a*) − 5**

***b*) 28**

***c*) 140**

***d*) − 16**

Find the average rate of change of each function on the given interval.

$$f(x) = -2x^3 - 4x^2 + 2x - 8; [-2, 3]$$

***a*) − 5**

***b*) 28**

***c*) 140**

***d*) − 16**

Find the average rate of change of each function on the given interval.

$$f(x) = 3x^4 - 2x^2 + 6x - 1; [5, 9]$$

***a*) 472**

***b*) − 2550**

***c*) − 309**

***d*) 4430**

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Find the average rate of change of each function on the given interval.

$$f(x) = \frac{x-3}{x}; [5, 12]$$

$a)$ 47.2

$b)$ -0.45

$c)$ 0.05

$d)$ 4.2

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Find the average rate of change of each function on the given interval.

$$f(x) = \frac{x+5}{x-4}; [-6, 2]$$

$a)$ 47.2

$b)$ -0.45

$c)$ 0.05

$d)$ 4.2

Find $f \circ g$. $f(x) = \frac{1}{x+1}$ $g(x) = x^2 - 4$

a) $[f \circ g](x) = \frac{1}{x^2 - 3}$ for $x \neq \pm\sqrt{3}$

b) $[f \circ g](x) = \frac{2}{x^2 + 3}$

c) $[f \circ g](x) = |x|$

d) $[f \circ g](x) = x - 6$ for $x \geq -3$

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Find $f \circ g$. $f(x) = \dfrac{2}{x-3}$ $g(x) = x^2 + 6$

a) $[f \circ g](x) = \dfrac{1}{x^2 - 3}$ for $x \neq \pm\sqrt{3}$

b) $[f \circ g](x) = \dfrac{2}{x^2 + 3}$

c) $[f \circ g](x) = |x|$

d) $[f \circ g](x) = x - 6$ for $x \geq -3$

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Find $f \circ g$. $f(x) = \sqrt{x+4}$ $g(x) = x^2 - 4$

a) $[f \circ g](x) = \dfrac{1}{x^2 - 3}$ for $x \neq \pm\sqrt{3}$

b) $[f \circ g](x) = \dfrac{2}{x^2 + 3}$

c) $[f \circ g](x) = |x|$

d) $[f \circ g](x) = x - 6$ for $x \geq -3$

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Find $f \circ g$. $f(x) = x^2 - 9$ $g(x) = \sqrt{x+3}$

a) $[f \circ g](x) = \dfrac{1}{x^2 - 3}$ for $x \neq \pm\sqrt{3}$

b) $[f \circ g](x) = \dfrac{2}{x^2 + 3}$

c) $[f \circ g](x) = |x|$

d) $[f \circ g](x) = x - 6$ for $x \geq -3$

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Find $f \circ g$. $f(x) = \frac{5}{x}$ $g(x) = \sqrt{6-x}$

a) $[f \circ g](x) = \frac{5\sqrt{6-x}}{6-x}$ for $x < 6$

b) $[f \circ g](x) = \frac{-4\sqrt{x+8}}{x+8}$ for $x > -8$

c) $[f \circ g](x) = |x+2|$

d) $[f \circ g](x) = \sqrt{x^2+6}$

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Find $f \circ g$. $f(x) = \sqrt{x-2}$ $g(x) = x^2 + 8$

a) $[f \circ g](x) = \dfrac{5\sqrt{6-x}}{6-x}$ for $x < 6$

b) $[f \circ g](x) = \dfrac{-4\sqrt{x+8}}{x+8}$ for $x > -8$

c) $[f \circ g](x) = |x+2|$

d) $[f \circ g](x) = \sqrt{x^2+6}$

Find $f \circ g$. $f(x) = \sqrt{x+5}$ $g(x) = x^2 + 4x - 1$

a) $[f \circ g](x) = \dfrac{5\sqrt{6-x}}{6-x}$ for $x < 6$

b) $[f \circ g](x) = \dfrac{-4\sqrt{x+8}}{x+8}$ for $x > -8$

c) $[f \circ g](x) = |x+2|$

d) $[f \circ g](x) = \sqrt{x^2+6}$

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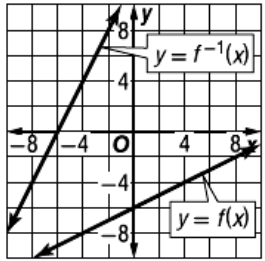
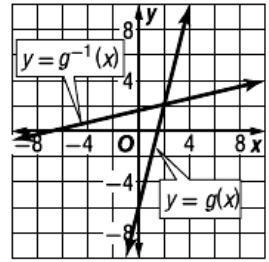
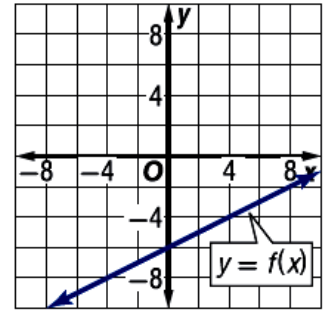
Use the graph of each function to graph its inverse function.

a)

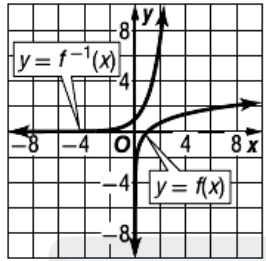


b)

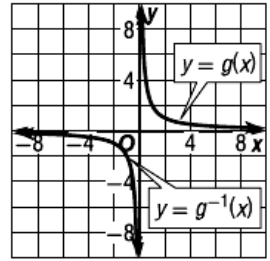




c)



d)



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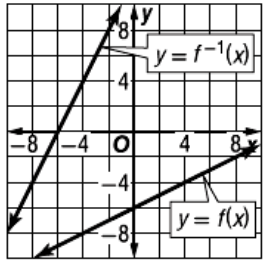
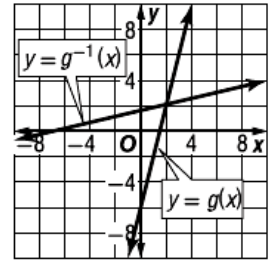
تم تحميل هذا الملف من موقع المناهج الإماراتية

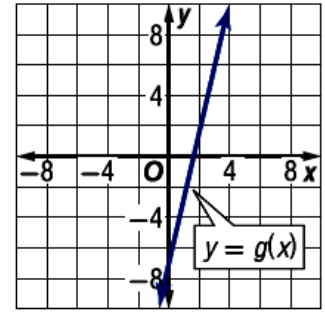
Use the graph of each function to graph its inverse function.

a)

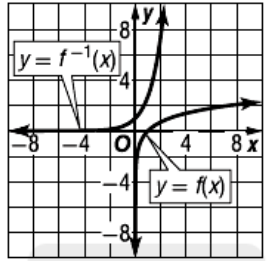


b)

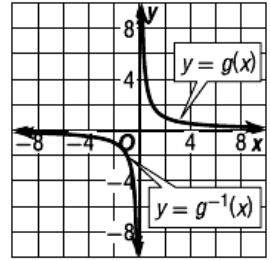




c)



d)



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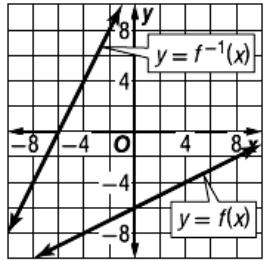
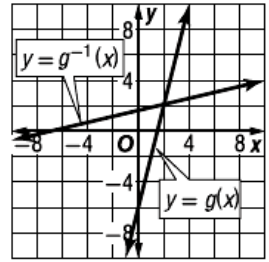
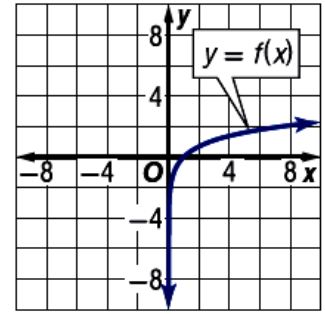
Use the graph of each function to graph its inverse function.

a)

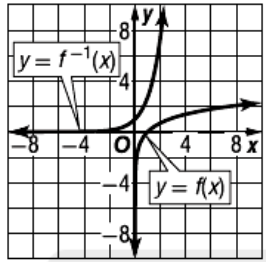


b)

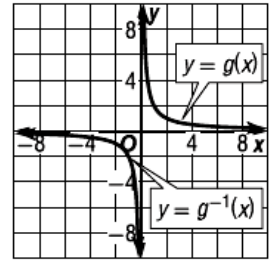




c)



d)



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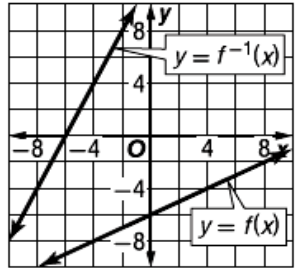
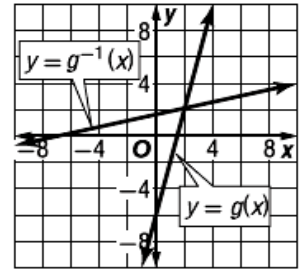
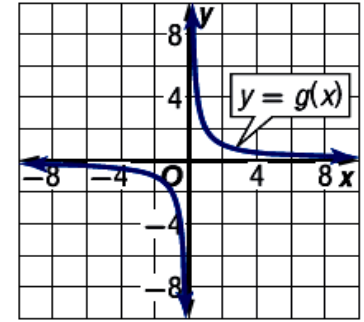
Use the graph of each function to graph its inverse function.

a)

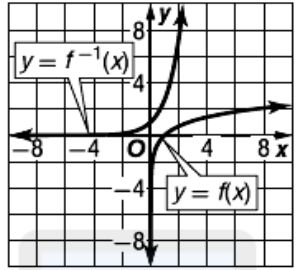


b)

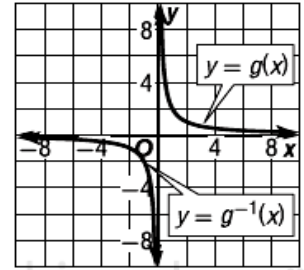




c)



d)



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