



The distance learning class is considered as a regular class, therefore regular rules applies:

يُتَوَجَّبُ عَلَيْكَ عَزِيزِي الطَّالِبُ

sit in a suitable learning environment

الجلوس في مكان مناسب للتعليم

no food/ drink during the lesson

عدم الأكل أو الشرب اثناء الحصة

get ready for the class by preparing course books, note books and other materials

تجهيز الكتاب والدفتر واحضار الأدوات اللازمة

respect your teachers and don't disturb them

احترام المعلم وعدم التشويش على الحصة

Do not leave the class during the lesson

عدم ترك الحصة اثناء الدرس



Use proper language

عدم تبادل الكلمات الغير مناسبة

protect your laptop from any damages

الالتزام بالمحافظة على جهاز اللاب توب

Be aware of 'online learning' timetable

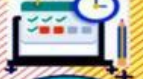
معرفة جدول وأوقات الحصص الإلكترونية

make sure that you have efficient connectivity beforehand

التأكد من جاهزية الاتصال قبل الحصة

dress code is required

الالتزام باللبس المحتشم

**Example 1:**

For each rational function, determine whether its graph has an oblique asymptote. If it does, write its equation.

a) $y = \frac{x^2 - 2x - 5}{x - 1}$

a: $y = x + 1$

b: $y = x - 1$

c: $y = x - 2$

d: $y = x + 2$

Choose here

b) $y = \frac{x^2 - 7x + 1}{x - 5}$

a: $y = x + 1$

b: $y = x - 1$

c: $y = x - 2$

d: $y = x + 2$

Choose here

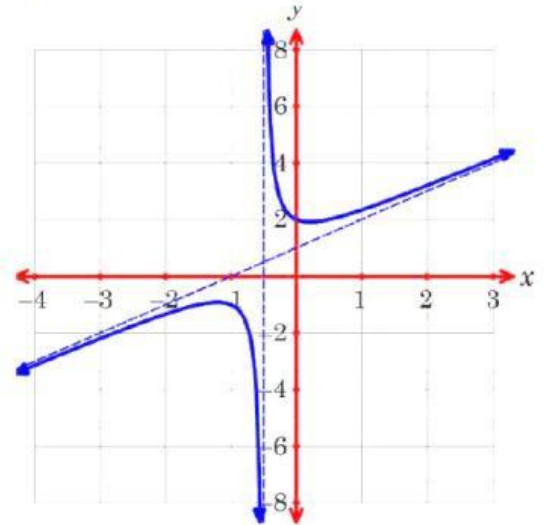
Objectives

Graph and analyze rational Functions with oblique asymptotes



Example 2: Find the asymptote of

$$g(x) = \frac{2x^2 + 3x + 2}{2x + 1}$$



There is a vertical asymptote at

a: $X = 1$

b: $X = 1/2$

c: $X = -1/2$

d: $X = 2$

Choose here

There is an oblique asymptote

a: $y = x + 1$

b: $y = x - 1$

c: $y = x - 2$

d: $y = x + 2$

Choose here