بِسْمِ اللهِ الرَّحْمٰنِ الرَّحِيْمِ المُلاَحِيْمِ اللهِ الرَّحْمٰنِ الرَّحِيْمِ اللهِ الرَّحْمٰنِ الرَّحْمٰنِ الرَّحْمٰنِ الرَّحْمٰنِ الرَّحْمٰنِ الرَّحْمٰنِ الرَّحْمٰنِ الرَّحِيْمِ اللهِ الرَّحْمٰنِ المُحْمِلِيْنِ الرَّحْمٰنِ الرَّحْمِلِيْنِ الرَّحْمِلِيْنِ الرَّحْمْنِ الرَّحْمِلِيْنِ الرَّحْمِلْمِلْمِيْنِ الرَّحْمِلِيْنِ الرَّمْمِلِيْنِ الرَّحْمِلِيْنِ الرَّحْمِلِيْنِ الرَّحْمِلِيْنِ الرَّمْ الرَّمْمِلْمِيْنِ الرَّحْمِلِيْنِ الرَّحْمِلِيْنِ الرَّحْمِلِيْنِ الرَّحْمِلِيْنِ الرَّحْمِلِيْنِ الرَّمْمِلِيْنِ الرَّحْمِلْمِيْنِ الرَّحْمِلِيْنِ الرَّمْمِلِيْنِ الرَّمْمِلِيْنِ الرَّمْمِيْنِ الرَّمْمِلِيْنِ الرَّمْمِيْنِ الرَّمْمِلِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الْمِنْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمْمِيْنِ الرَّمِيْنِ الرَّمِيْنِ الرَم



54W

একাডেমিক এন্ড এডমিশন কেয়ার

Class 10: H.Math (Chapter 6.2 & 6.3)

Uses of Inequality &

Linear Inequality with two variables
Lecture HM-19

Chapter -6.2

Uses of Inequality



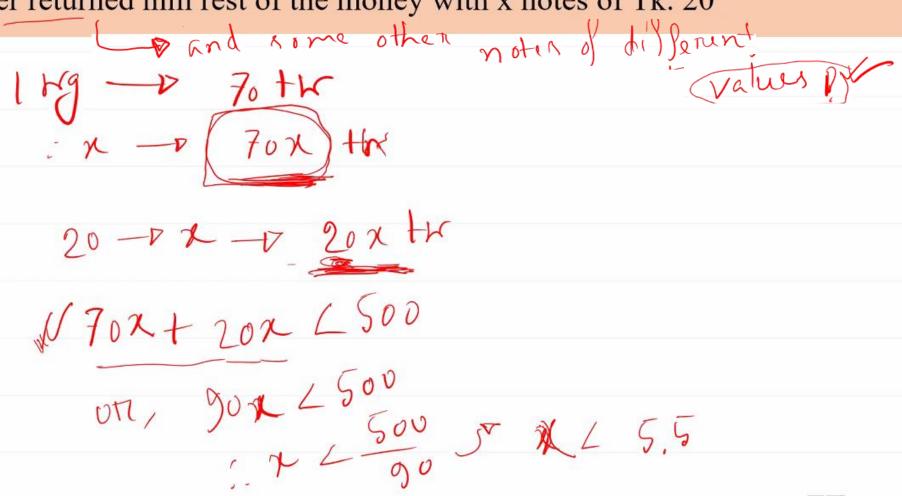
Things We Will Learn

- How to express different situations with inequality
- How to express solutions in inequality



গাণিতিক সমস্যা

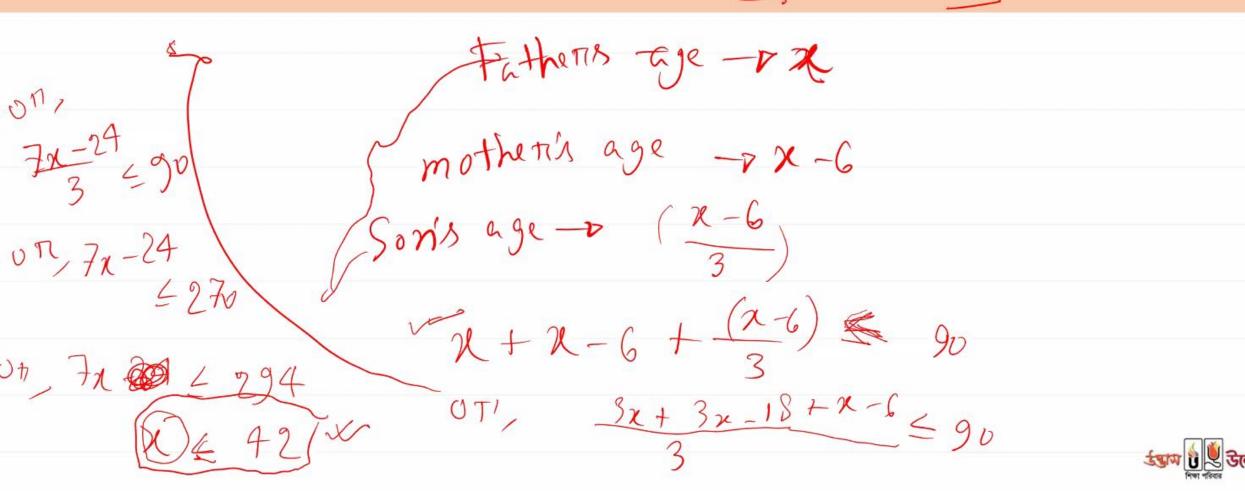
Md. Sohrab bought x kg mango at the rate of Tk. 70 per kg. He gave a note of Tk. 500 to the seller. The seller returned him rest of the money with x notes of Tk. 20





গাণিতিক সমস্যা

The age of the son is one-third of that of the mother. The father is 6 years older than the mother. The sum of the ages of these three persons is not more than 90 years. Express the age of the father in terms of an inequality.



Poll Question 01

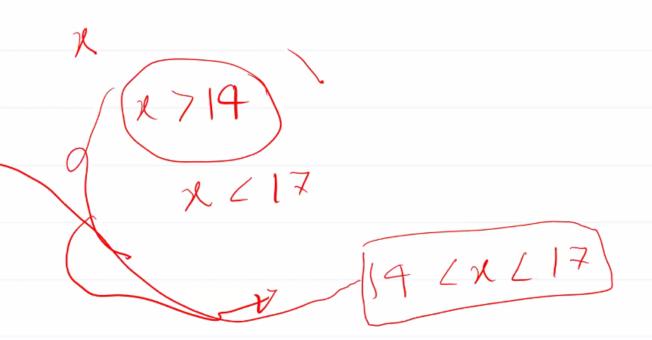
Jeny appeared at the junior scholarship examination at the age of 14 years. She will appear at the SSC examination at the age of 17 years. Exapress her present age in terms of inequality.

(a)
$$x < 14$$

(b)
$$x > 14$$

(c)
$$x < 17$$

(d)
$$14 < x < 17$$





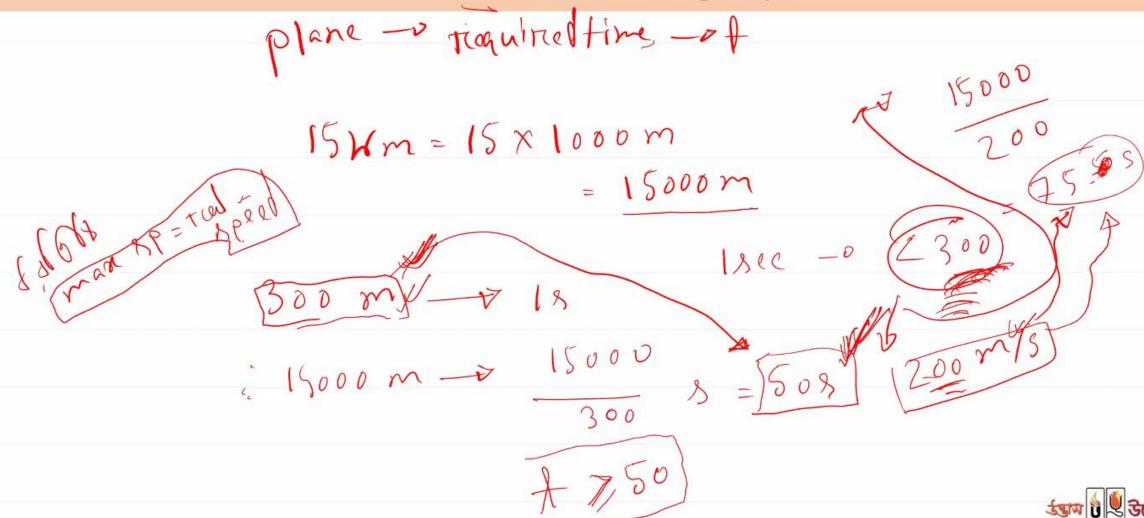
গাণিতিক সমস্যা

A boarding house requires 4x kg of rice and (x - 3) kg of pulses every day and it does not require more than 40 kg of rice and pulses in total.



গাণিতিক সমস্যা

The maximum speed of a jet-plane is 300 meters/sec. Express the time required by the plane to cover 15 km in the form of inequality.



Poll Question 02

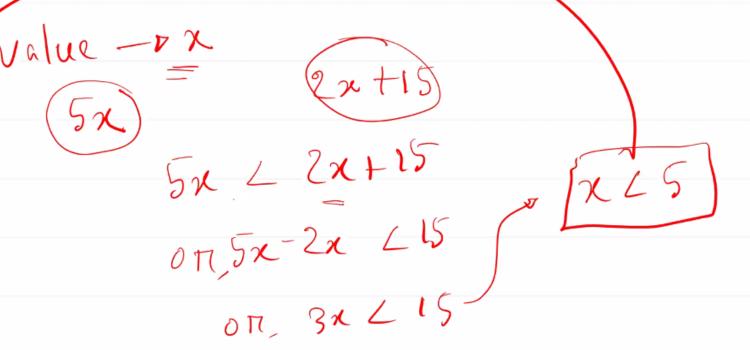
5 times a positive integer is less than the sum of twice the number and 15. Express the possible value of the number in the form of inequality.

(a)
$$x < 5$$

(b)
$$x > 10$$

(c)
$$x > 10$$

(d)
$$x > 5$$

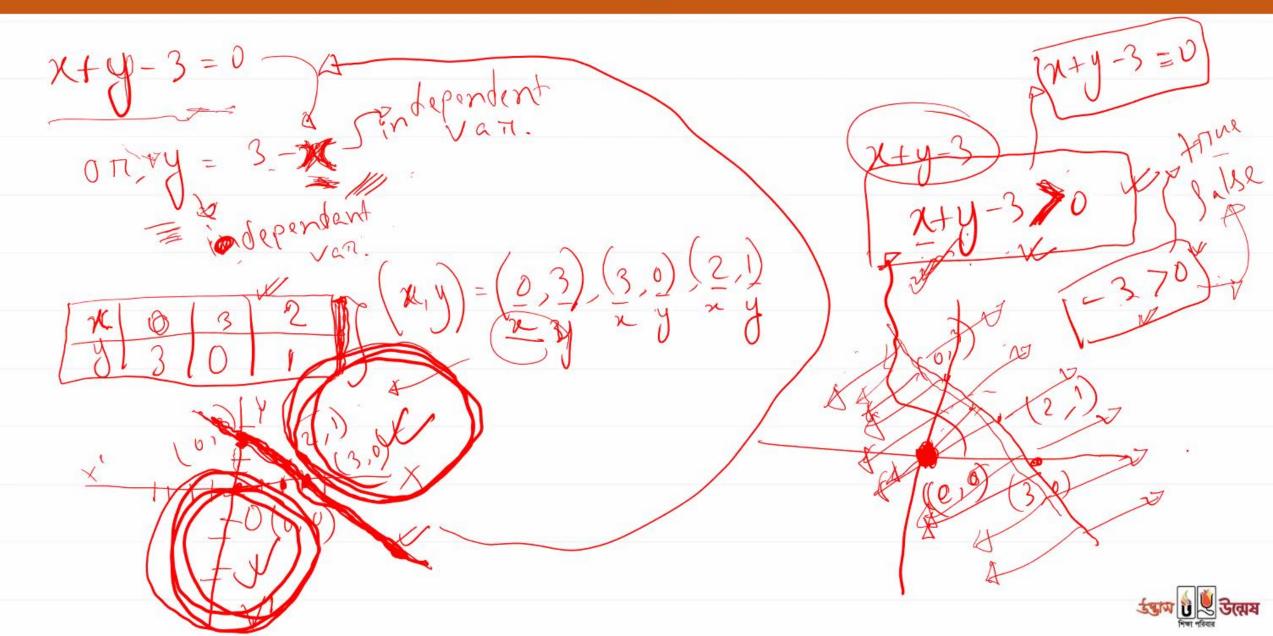


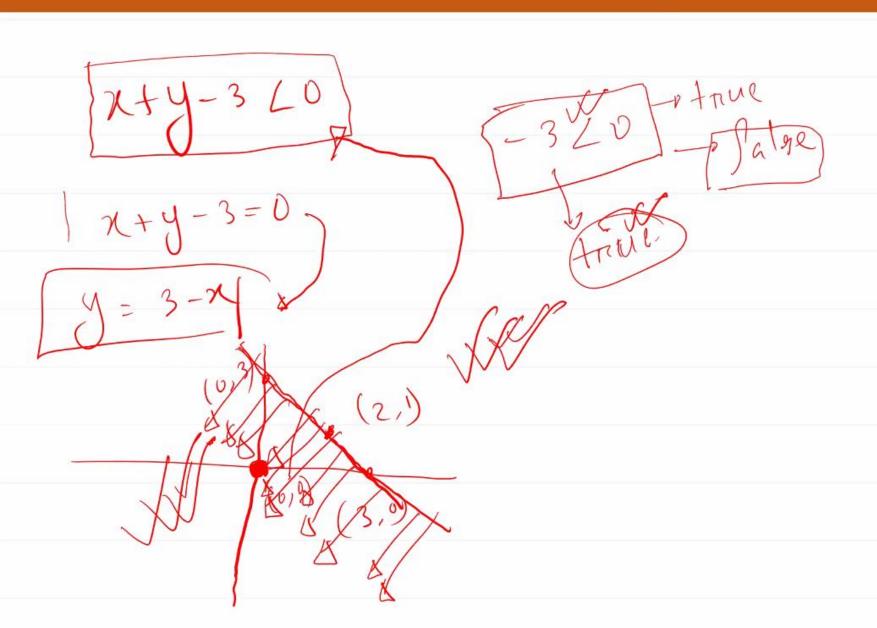


Chapter 6.3

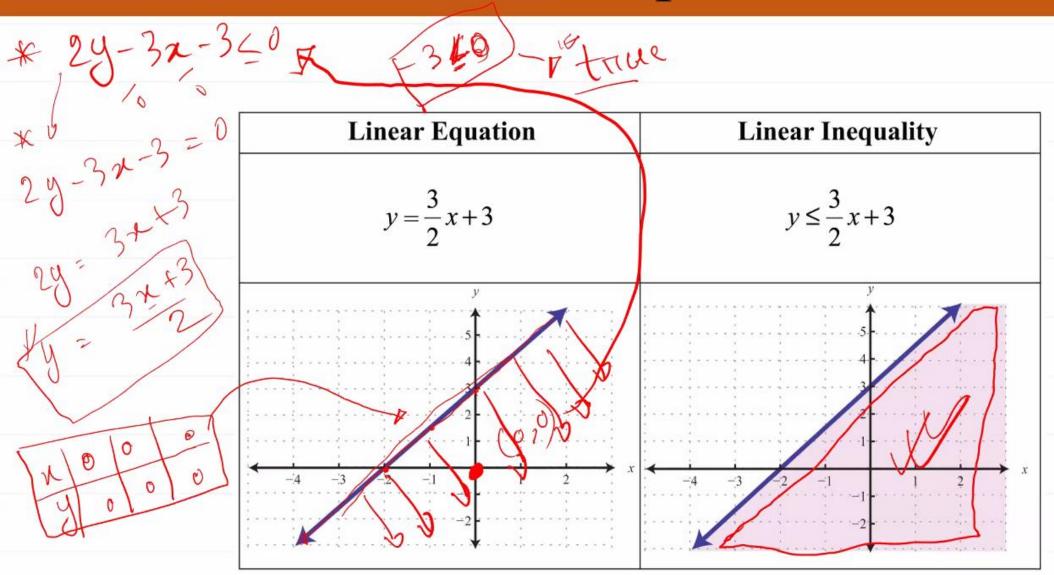
Linear Inequality with two variables



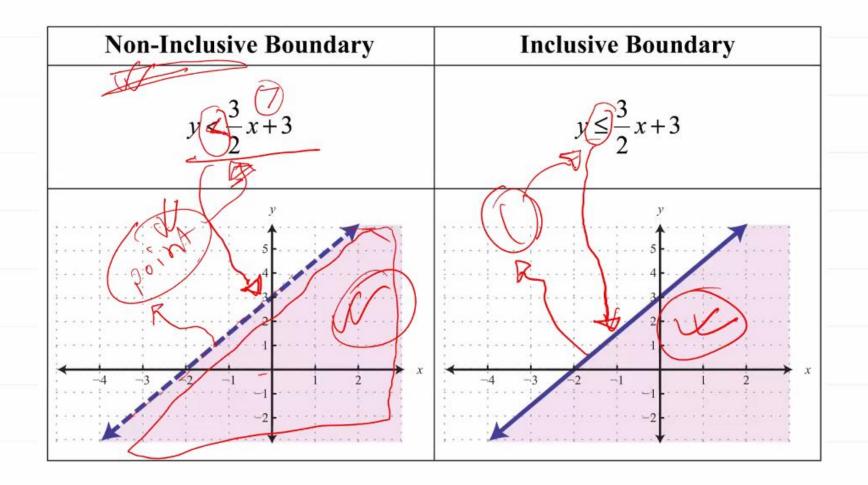






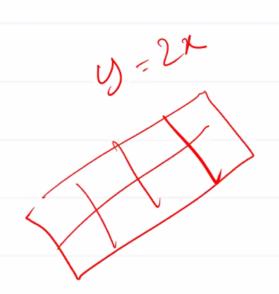


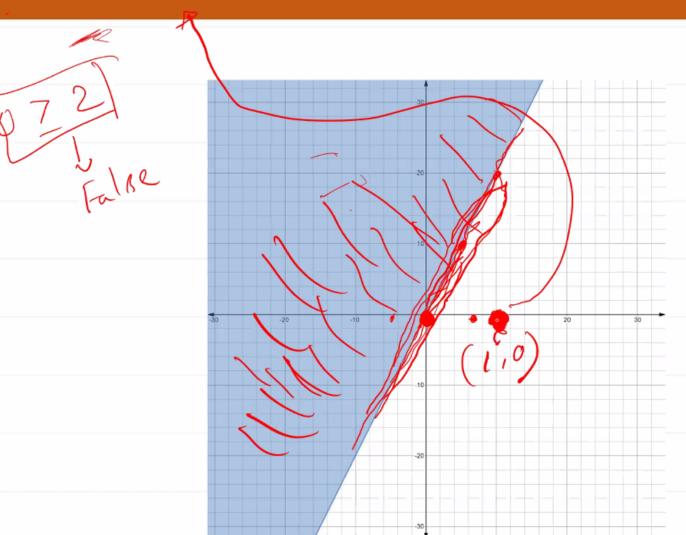






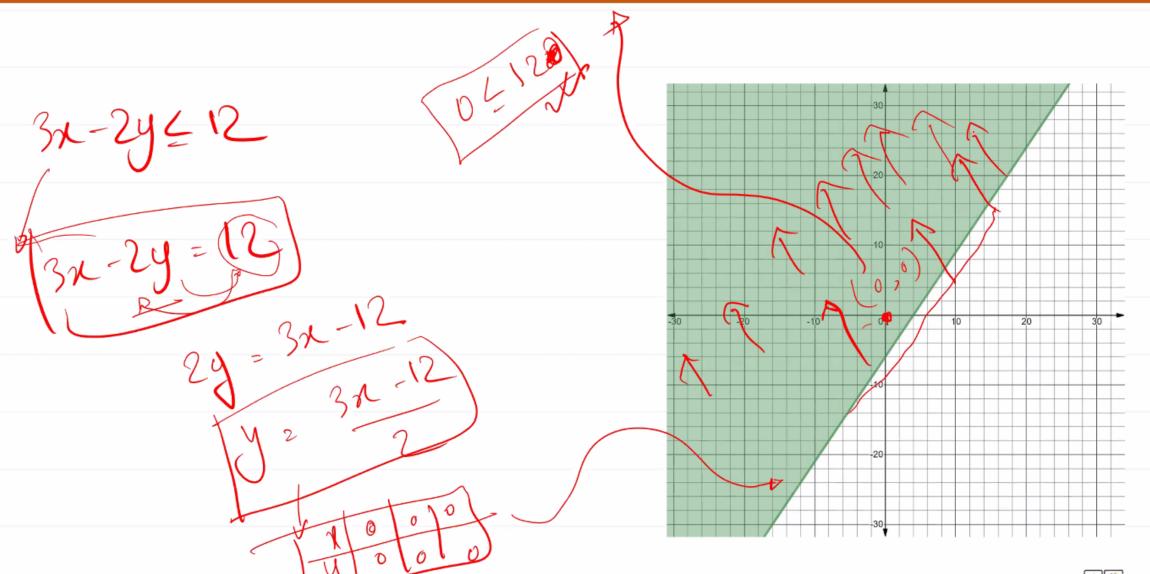
$y \ge 2x$







$3x - 2y \le 12$





Online Graph

- Desmos: https://www.desmos.com/calculator
- GeoGebra: https://www.geogebra.org/graphing
- GraphSketch: https://graphsketch.com/
- FooPlot: https://fooplot.com/



লেগে থাকো সৎভাবে, স্বপ্ন জয় তোমারই হবে

র্ডদ্রাম-উন্মেষ শিক্ষা পরিবার

Thank You