

Eksplorasi dengan WolframAlpha

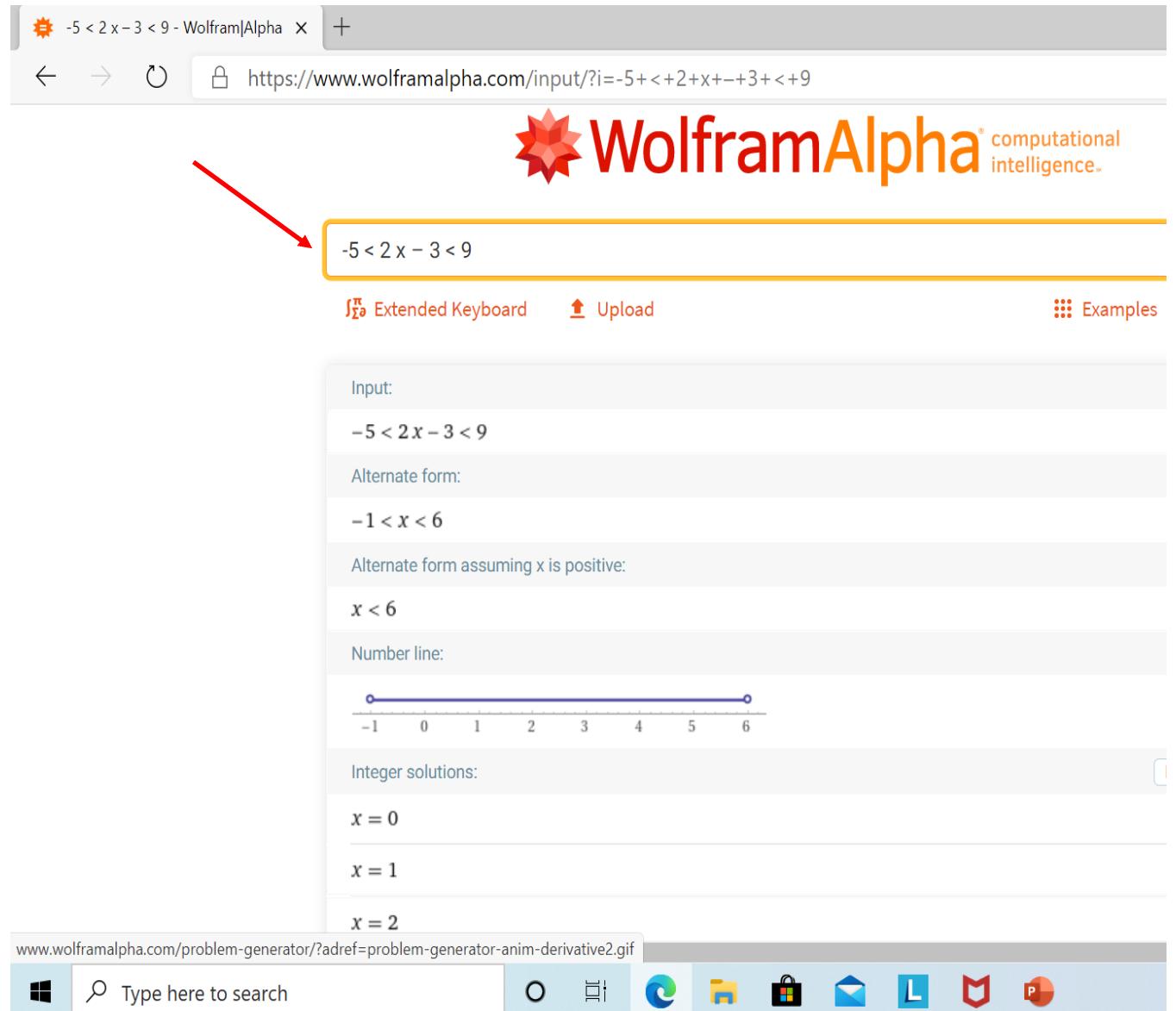
Kalkulus 1

2020/2021

Tim Dosen Kalkulus 1
Departemen Matematika FMIPA UI

- Menentukan himpunan penyelesaian ketaksamaan $-5 < 2x - 3 < 9$.

- Di WolframAlpha, ketik:
 $-5 < 2*x - 3 < 9$



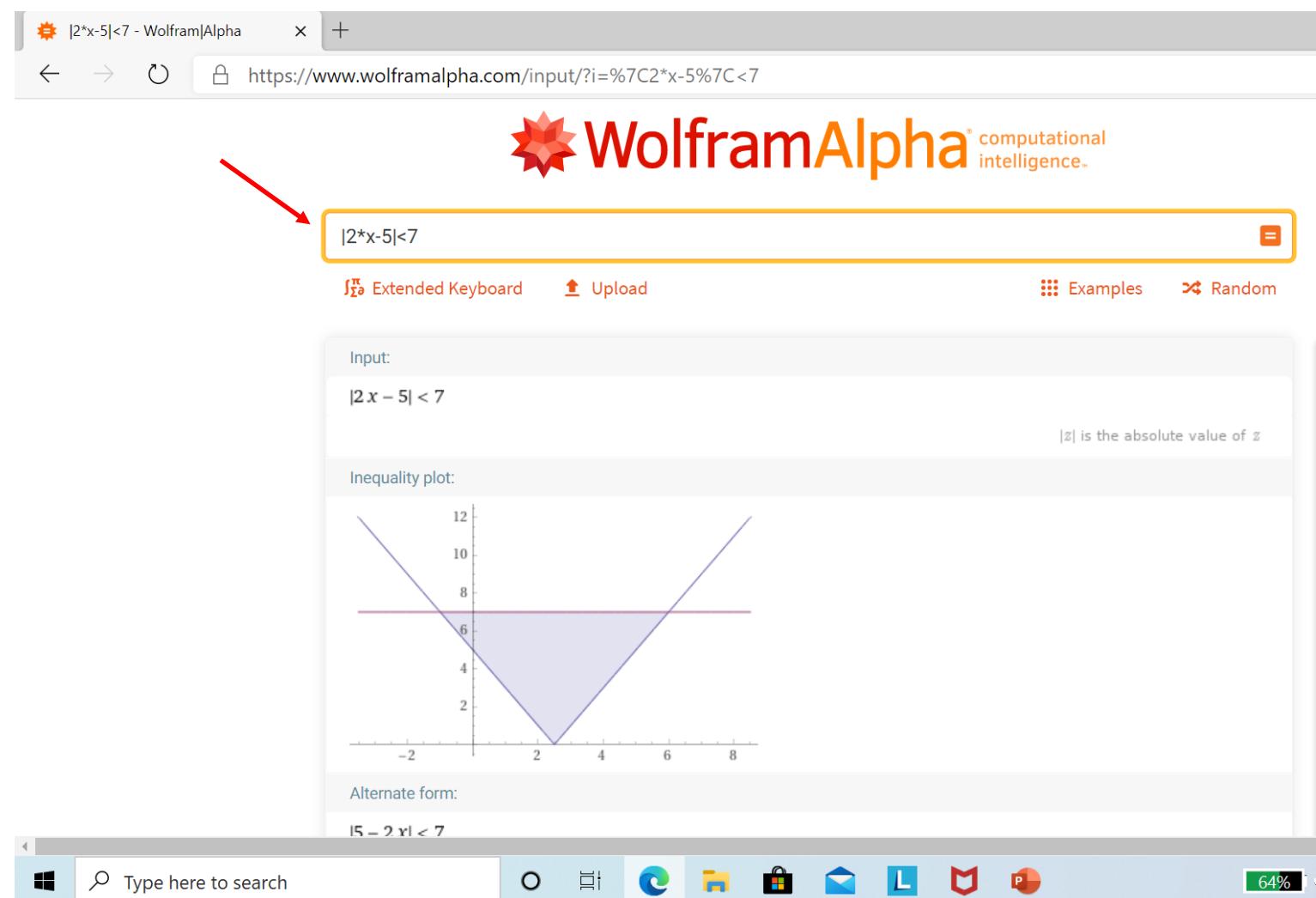
The screenshot shows a Microsoft Edge browser window with the following details:

- Title Bar:** -5 < 2x - 3 < 9 - Wolfram|Alpha
- Address Bar:** https://www.wolframalpha.com/input/?i=-5+<+2+x+-+3+<+9
- Content Area:**
 - Input:** -5 < 2x - 3 < 9
 - Alternate form:** -1 < x < 6
 - Alternate form assuming x is positive:** x < 6
 - Number line:** A horizontal number line from -1 to 6, with open circles at both ends, indicating the interval $x \in (-1, 6)$.
 - Integer solutions:** x = 0, x = 1, x = 2
- Bottom Navigation:** www.wolframalpha.com/problem-generator/?adref=problem-generator-anim-derivative2.gif
- Taskbar:** Shows the Start button, a search bar with "Type here to search", and pinned icons for Edge, File Explorer, Mail, OneDrive, and others.

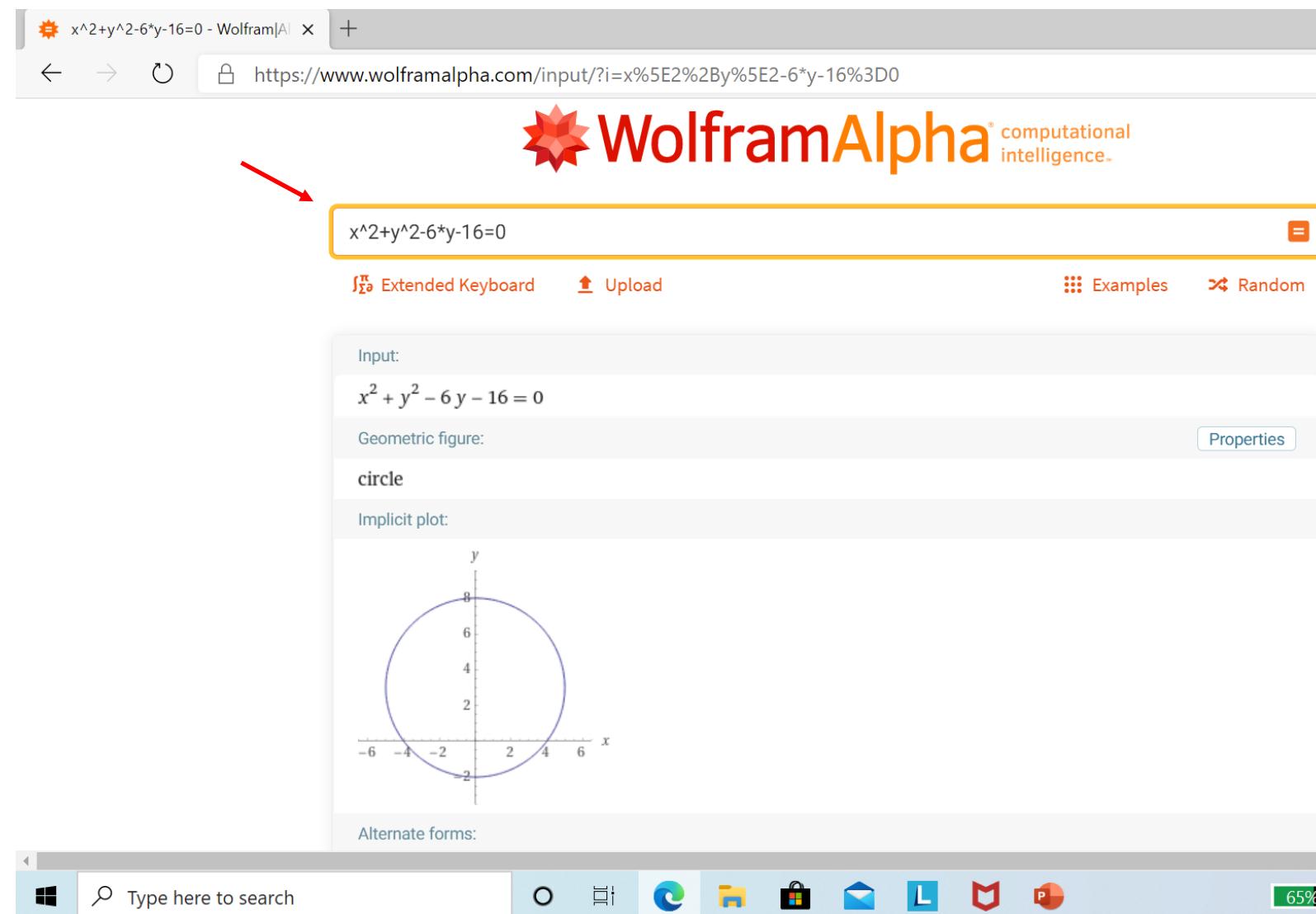
- Menentukan himpunan penyelesaian ketaksamaan $|2x - 5| < 7$.

- Di WolframAlpha, ketik:

$$|2*x-5|<7$$



- Menggambar persamaan $x^2 + y^2 - 6y - 16 = 0$.



WolframAlpha computational intelligence

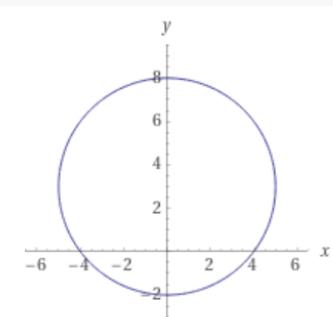
x²+y²-6*y-16=0

Extended Keyboard Upload Examples Random

Input:
 $x^2 + y^2 - 6y - 16 = 0$

Geometric figure:
circle

Implicit plot:



Alternate forms:

Type here to search          

- Menggambar fungsi nilai mutlak:
 $y=|x|+3$.
- Di WolframAlpha, ketik:
 $y=|x|+3$
- Menggambar fungsi bilangan bulat terbesar yang lebih kecil atau sama dengan:
 $y=[x]$ dengan $-5 < x < 5$
- Di Wolfram Alpha, ketik:
 $y=\text{floor}(x)$, $-5 < x < 5$

Selamat bereksplorasi dengan WolframAlpha!