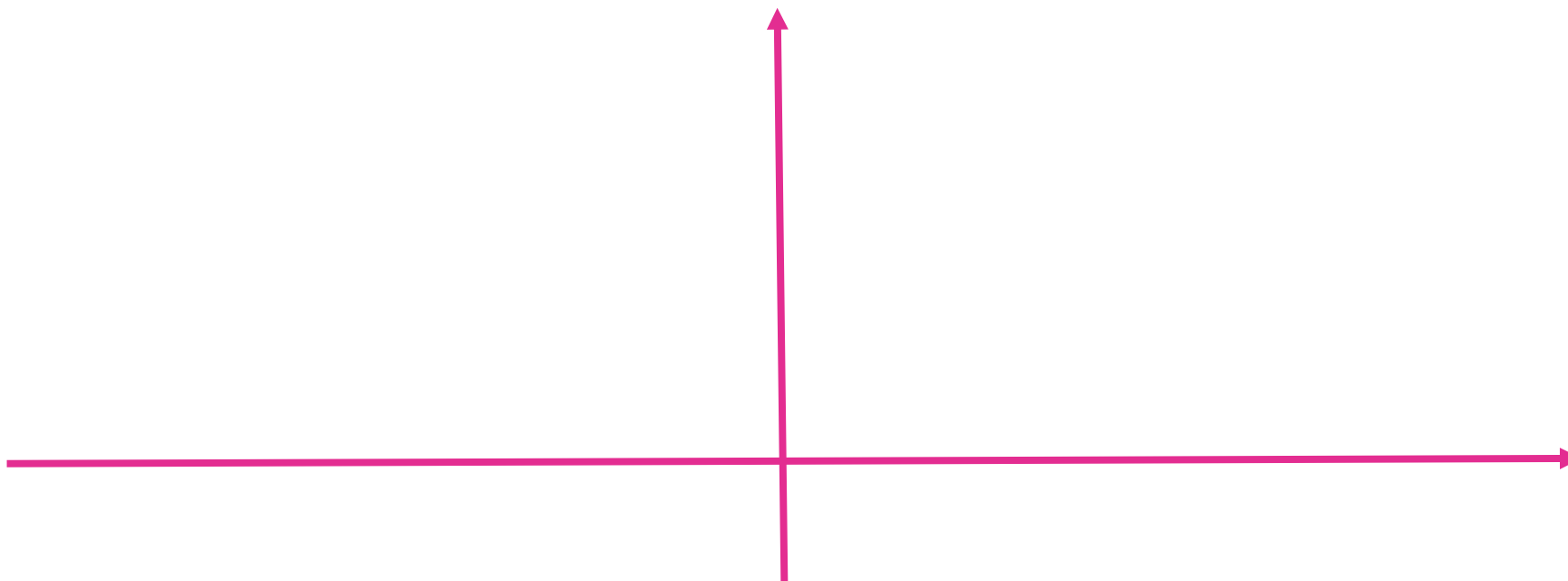


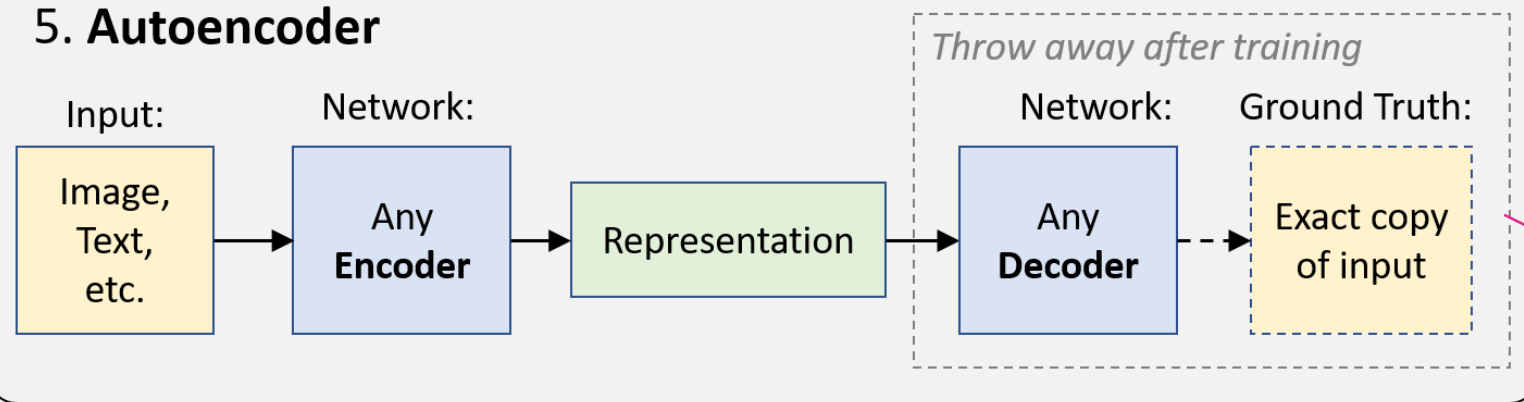
Question 1

Is $f(x) = |x|$ a linear function?

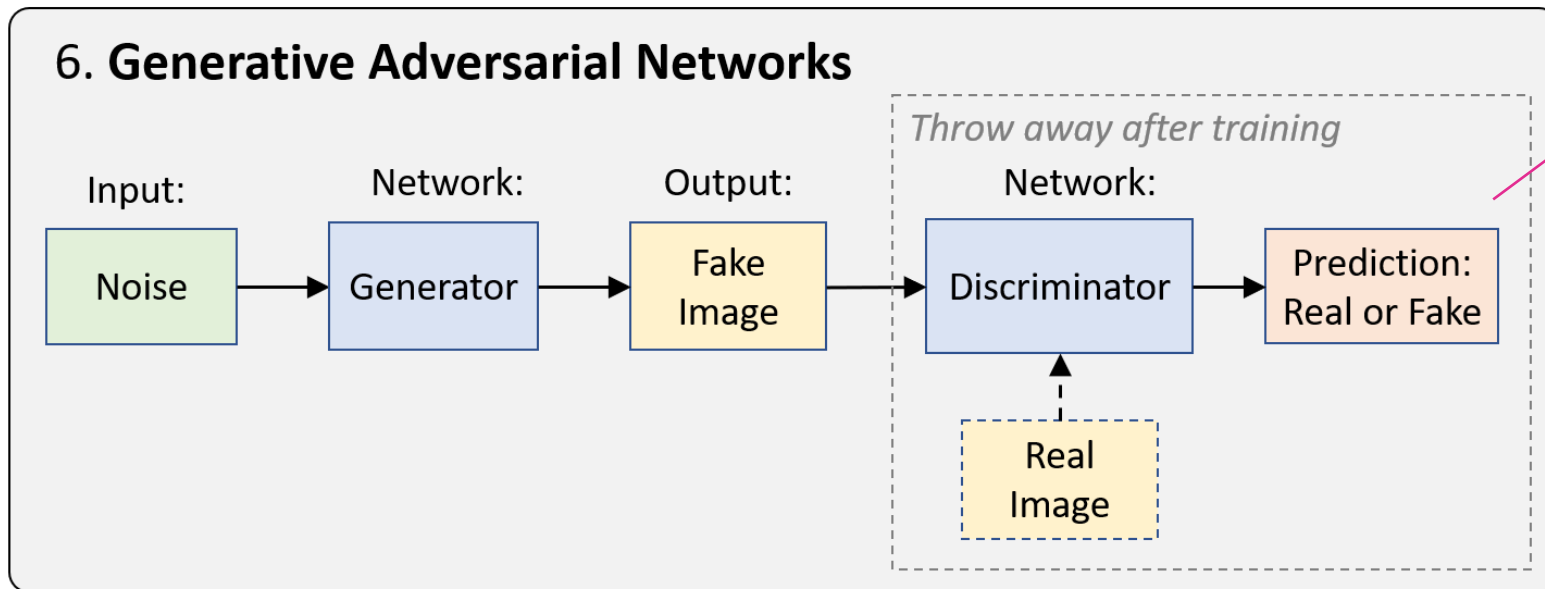


Question 2

5. Autoencoder



6. Generative Adversarial Networks



Why rubbish?

Question 3

Cost functions

Encoders

GANs

Decision trees

Decoders

_____ find patterns in raw data to form compact, useful representations.

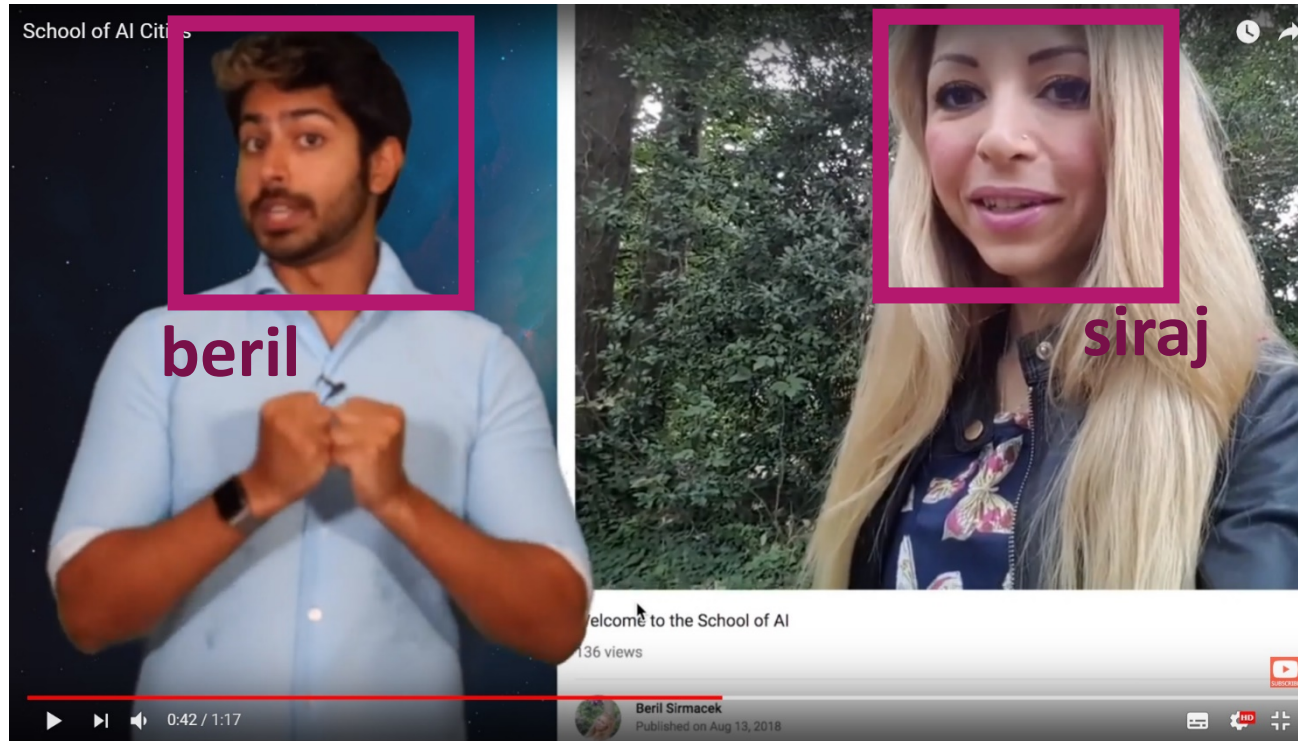
_____ generate high-resolution data from those representations.
The generated data is either new examples or descriptive knowledge.

Question 3

- **Encoders** find patterns in raw data to form compact, useful representations.
- **Decoders** generate high-resolution data from those representations. The generated data is either new examples or descriptive knowledge.

Question 4

Which computer vision problem is solved?



- (a) Classification
- (b) Detection
- (c) Segmentation
- (d) Recognition

Question 5

What is gradient descent?



Image: Wikipedia

“A gradient measures how much the output of a function changes if you change the inputs a little bit.”—Lex