Math 10A Homework Assignment (04/18 - 04/22)

Assignment will be collected on 04/29 the next Friday during the class.

Key notions introduced this week:

- (1) Velocity and tangent line;
- (2) Properties of derivatives;
- (3) Matrix operations, product of two matrices, chain rule;
- (4) Gradients and directional derivatives;
- (5) Fastest growth direction;
- (6) Normal vector and tangent plane of level surfaces.

Homework problems:

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2.6. 1, 2(b), 3(b), 4(c), 5, 6(c), 7, 9.