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13. Worked examples

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Reflect

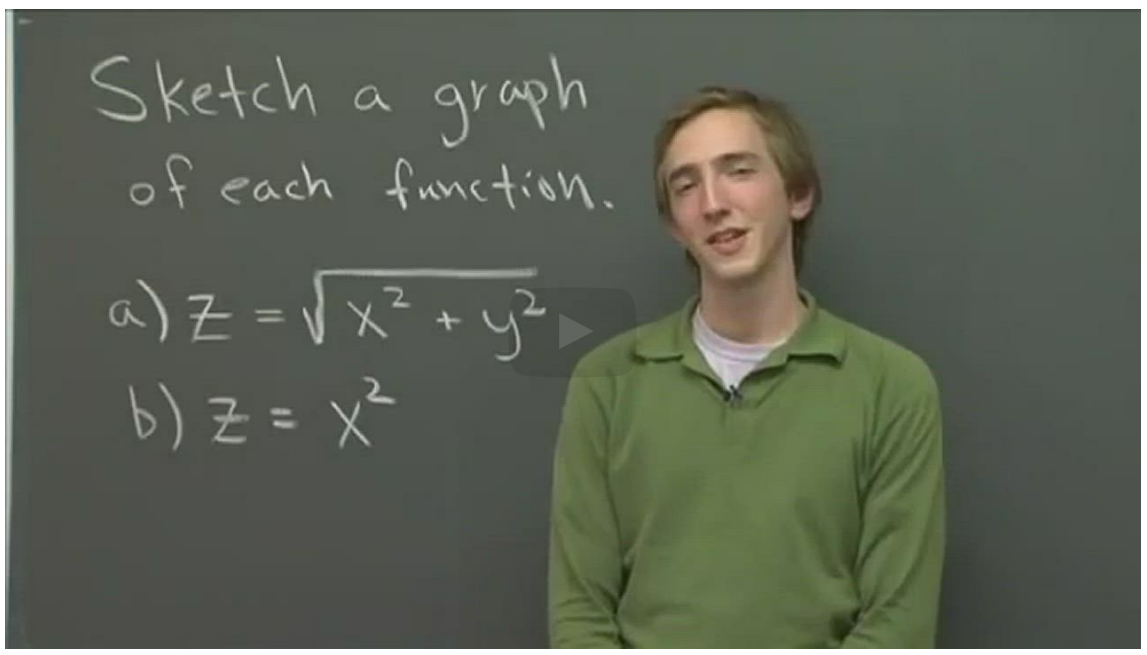
Pause the following video when prompted to graph the following functions using the technique of slicing.

1. $z = \sqrt{x^2 + y^2}$
2. $z = x^2$

After you try, press play and reflect on how your solution is the same or different from David's solution.

Graphing surfaces

Start of transcript. Skip to the end.



0:00 / 0:00 2.0x

PROFESSOR: Hello, and welcome back to recitation.

In this problem what I'd like us to do, is I'd

like us to sketch the graphs in three

dimensions of these functions.

So z here as a function of x and y.

On this second one, z is also a function of x and y,

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13. Worked examples

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- Definition of prism — 4
  At 5:23, David says "And in fact, what you're going to get is you're going to get a prism." I'm wondering what definition of prism he's ...
- The Cone — 5
  Should there not be a cone below the xy plane as well as above it? There is no indication that z is restricted to positive values (unles...

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