## Quiz 2 Calc 3 10/18/17

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Set up an iterated integral for the volume of the region bounded above the cone $Z=\sqrt{x^{2}+y^{2}}$ and below the top half of the sphere with radius 1 centered at the origin.
2. Set up an iterated integral for the volume of the solid enclosed between $z=112+x^{2}+y^{2}$ and $z=130-x^{2}-y^{2}$.
