

# Equations for Planes

## Reading

Section 13.5

## Problems

- Practice Problems: 13.5 1, 5, 11, 15, 17, 21, 23, 25, 27, 33, 36, 46, 51
- Problems to turn in: 13.5 8, 18, 22, 28, 34
- Optional: 13.5 47, 48

## Topics to know

1. Normal vector to a plane
2. Three equations for plane (vector form, 2 scalar forms)
3. Parallel planes (example 2)
4. Plane determined by 3 points (example 3)
5. Finding if a plane and a line intersect
6. Intersection of two planes
7. Finding distance from point to plane (problems 65, 66)