

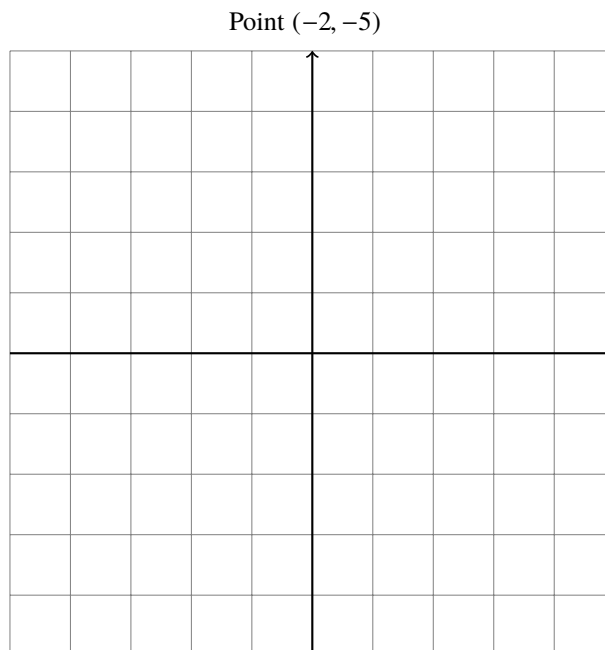
# Section 1.3

## Angle Relationships and Similar Triangles

### TRIG FUNCTION DEFINITIONS

1. Sketch the angle  $\theta$  CCW from the positive  $x$ -axis (this is called the standard position for  $\theta$  in the book) given from the point. Then fill in the values for the six trigonometric functions.

| Trig functions |  |
|----------------|--|
| $\sin \theta$  |  |
| $\cos \theta$  |  |
| $\tan \theta$  |  |
| $\csc \theta$  |  |
| $\sec \theta$  |  |
| $\cot \theta$  |  |



2. Sketch the line described below and fill in the values for the six trigonometric functions.

| Trig functions |  |
|----------------|--|
| $\sin \theta$  |  |
| $\cos \theta$  |  |
| $\tan \theta$  |  |
| $\csc \theta$  |  |
| $\sec \theta$  |  |
| $\cot \theta$  |  |

