

## Quiz 8A

**Name:**

**UAlbany Email:**

Closed book/notes. No calculators allowed. Show all your work to receive full credit.

1. (4 Points) Find the missing coordinate of  $P$ , given  $P$  lies on the unit circle in the third quadrant.

$$P = \left( \quad, \frac{-3}{5} \right), \text{ lying in the } 3^{rd} \text{ Quadrant}$$

2. (6 Points) A 33-ft ladder leans against a building so that the angle between the ground and the ladder is  $80^\circ$ . How high does the ladder reach up the side of the building?

Grade:        /10