COORDINATE DEFINITION

TEXT: 2.1

LAST NAME	FIRST NAME	DATE

1 (6 points). Given the angle α with the point $(-10, 6)$ on its terminal side, find

(a) $\sin(\alpha) =$

(b) $\cos(\alpha) =$

(c) $\tan(\alpha) =$

(d) $\csc(\alpha) =$

(e) $\sec(\alpha) =$

(f) $\cot(\alpha) =$

2 (2 points). Find the coordinates of some point on the terminal side of the angle β given that $\tan\beta = 14/5$, and the terminal side is in the 3rd quadrant.

3 (2 points). Find the coordinates of some point on the terminal side of the angle γ given that $\cot\gamma = -0.5$, and the terminal side is in the 2nd quadrant.

4 (2 points). Find every angle δ between 0° and 360° for which $\sec\delta$ is undefined.

5 (1 point). Find an angle between 0° and 360° which is coterminal to 2025°.

6 (1 point). Find an angle with a negative measure which is coterminal to 123°.

7 (2 points). Find the coordinates of some point on the terminal side of the angle θ given that $\cos\theta = 4/7$, and the terminal side is in the 1st quadrant.

8 (2 points). Find the coordinates of some point on the terminal side of the angle ϕ given that $\csc\phi = -3$, and the terminal side is in the 4th quadrant.