

LINES AND CIRCLES

TEXT: 1.4

LAST NAME	FIRST NAME	DATE
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1 (2 points). Find the distance between points $(-6, -5)$ and $(1, 3)$, do not round.

2 (2 points). Find an equation of the line passing through the origin and the point $(20, 3)$, state the answer in the slope-intercept form.

3 (2 points). Find an equation of the line passing through the points $(-6, -5)$ and $(1, 3)$, state the answer in the slope-intercept form.

4 (2 points). Find the y coordinate of the point P on the unit circle, if P is located in the 4th quadrant, and its x coordinate is $1/3$.

5. State an equation of a circle with radius 9, centered at the point $(4, -7)$.

6. Describe the radius and the center of the circle with the equation

$$(x - 11)^2 + (y + 17)^2 = 144$$