

Homework 2.1 - Midpoint and Distance

Date _____

Given the midpoint and one endpoint of a line segment, find the other endpoint.1) Endpoint: $(6, -3)$, midpoint: $(2, 6)$ 2) Endpoint: $(-17, -7)$, midpoint: $(13, -20)$ **For each pair of points, calculate the slope, midpoint, distance, and equation of the line.**3) A $(-10, 8)$ and B $(-6, 13)$ 4) C $(-12, 5)$ and D $(-9, -4)$

5) $K(7, 17)$ and $L(2, 14)$

6) $M(6, -11)$ and $N(1, -11)$

7) $O(-5, -10)$ and $P(-7, -6)$