

15 First find the slope between the points $(1, -2)$ and $(-9, 3)$. $m = \frac{3 - (-2)}{-9 - 1} = -\frac{1}{2}$.

$$y = -\frac{1}{2}(x - 1) - 2 \text{ or } y = -\frac{1}{2}(x + 9) + 3$$