

Worksheet # 1

Review from Math 416: Finding the equation of a line when you know the slope and one point

1. Determine the equation of a line if $m = -4$ and it passes through the point $(-4, 0)$.
2. Determine the equation of a line if $m = -\frac{4}{3}$ and it passes through $(\frac{2}{5}, \frac{1}{4})$.
3. Determine the equation of a line if $m = \frac{1}{3}$ and it passes through $(\frac{3}{4}, \frac{2}{3})$.
4. Determine the equation of a line if $m = -3$ and it passes through $(-2, 0)$.
5. Determine the equation of a line if $m = -\frac{9}{4}$ and it passes through $(-\frac{1}{6}, \frac{2}{5})$.