

1. Consider the general linear equation  $2x + 3y + 2 = 0$ .

a) What is the slope of its graph?

b) What are the  $x$  and  $y$  intercepts?

2. Write the general linear equation of the line passing through the points  $(2, 4)$  and  $(4, 6)$ .

3. What is the  $y$  intercept of the line which is perpendicular to the line given in 1. above and having  $x$  intercept  $(1, 0)$ .