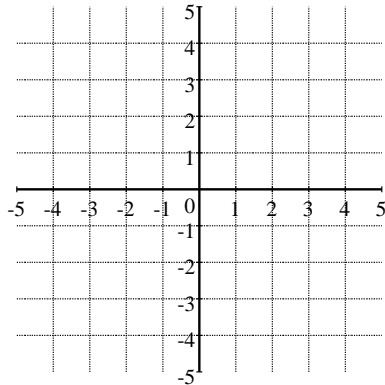


Name _____

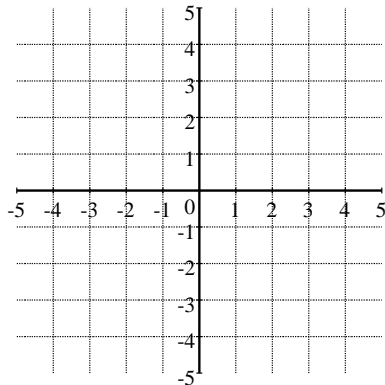
Math 94 In-class Exercise 18 [Section 4.4]

Determine the slope and y-intercept, and graph each line using the slope and y-intercept:

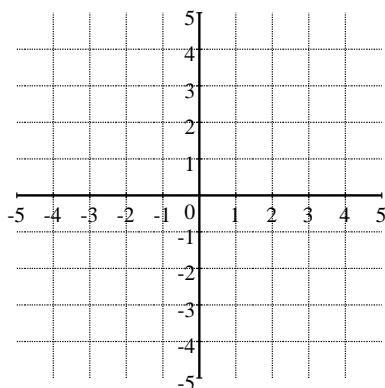
1a) $y = 2x - 3$



(b) $y = -x + 2$

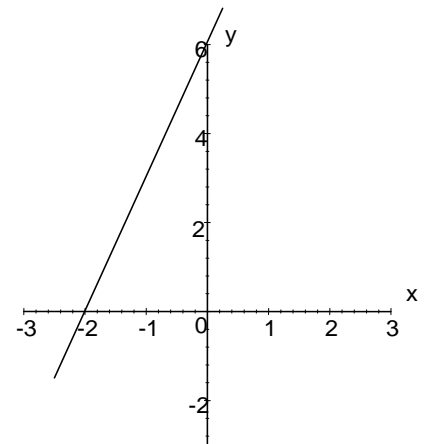


(c) $y = -\frac{3}{5}x$



OVER

2. Determine the equation of the line shown:



3. Find the equation of each line, with the properties given, in slope-intercept form.

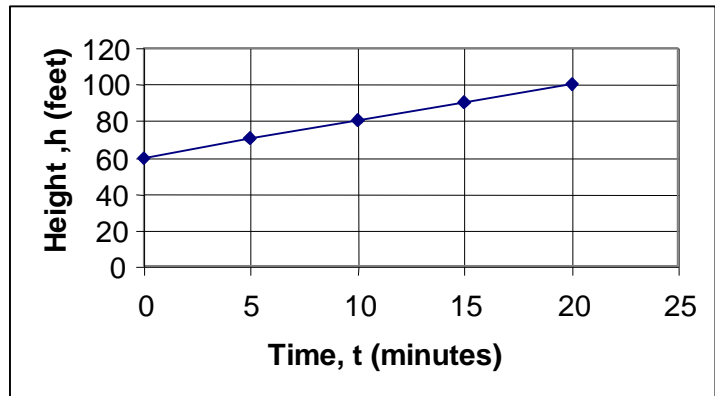
(a) Slope = $-\frac{4}{3}$, through (0,7)

(b) Slope = -2, through (2,-6).

(c) Through (-3,3) and (3,6)

4. A hot-air balloon is rising slowly. The illustration below shows its height at 5-minute intervals for 20 minutes.

(a) What is its height after 15 minutes?



(b) How fast is the balloon rising in feet per minute?

(c) Find the equation that represents the height, h , at time, t .