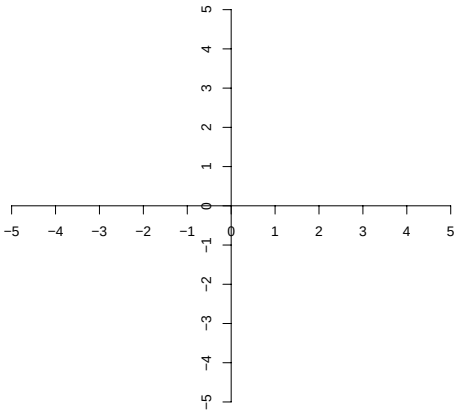
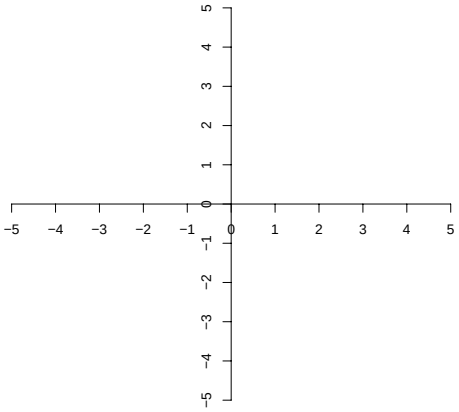
Exercise 2 Name _____

Graph the following functions:

1. $y = 4 - x$



2. $2y - 5 = 2x + y + 1$



Find the slope of the line through these points:

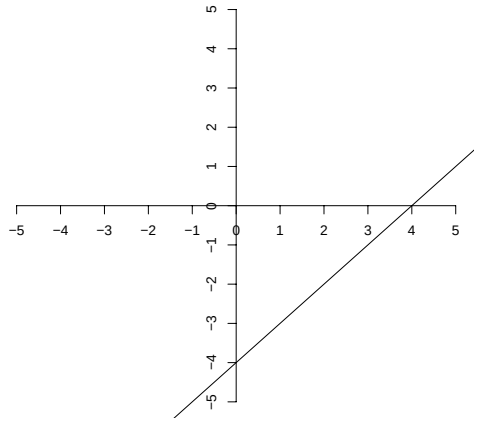
3. (2,1) and (7,6)
4. (4,0) and (3,2)

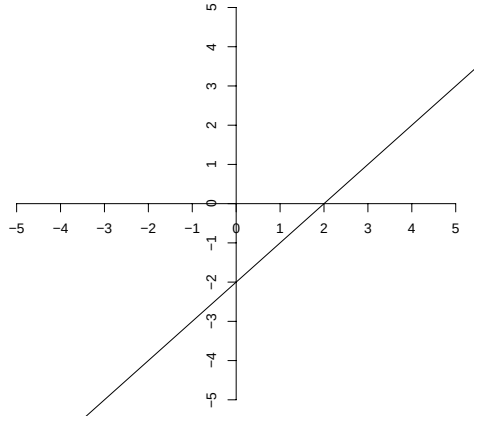
Exercise 2 Name _____

Match these equations with their graphs:

5. $y = x - 2$

6. $y = x - 4$





Exercise 2 Name _____

Solve:

7. 40% of 60 =

8. 8 = 10% of what number?

9. Convert 125% to a proportion:

Solve this problem:

10. We identified the following to be the equation relating dose to expected weight gain in laboratory animals in an experiment:

$$y = 1.13 - 0.41x + 0.17x^2$$

where y = weight gain and x = dose.

(a) Assuming that the same relationship was true at higher doses, what weight gain would you expect for an animal given a dose of 9?

(b) Would it be appropriate to estimate the weight gain for an animal given a dose of 20? Why or why not?