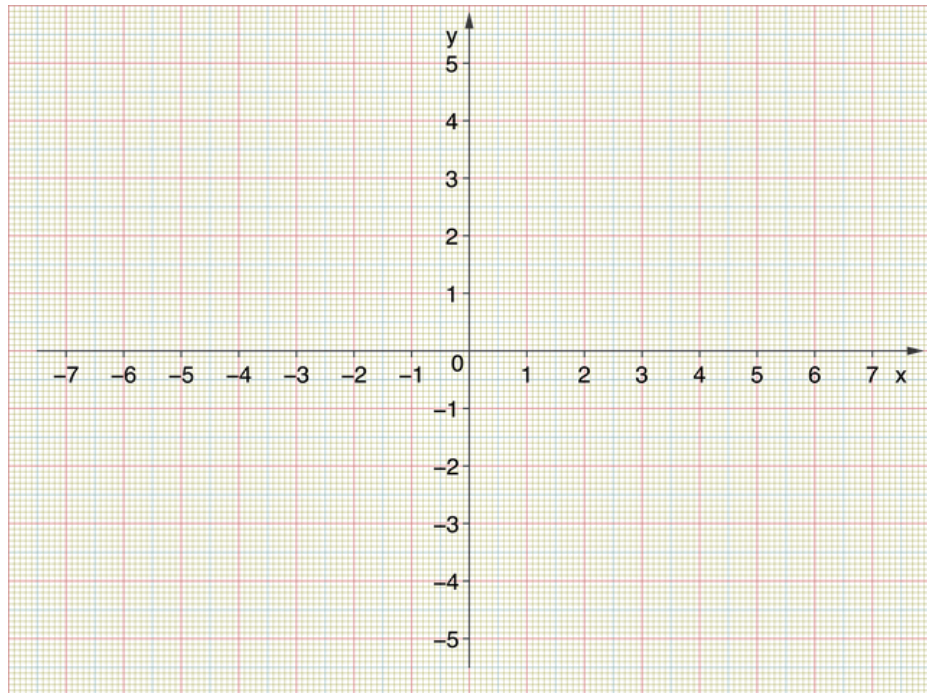


1. Plot these two lines on the same axis by hand.

a) $y = 2x + 4$

b) $x = 2y + 4$

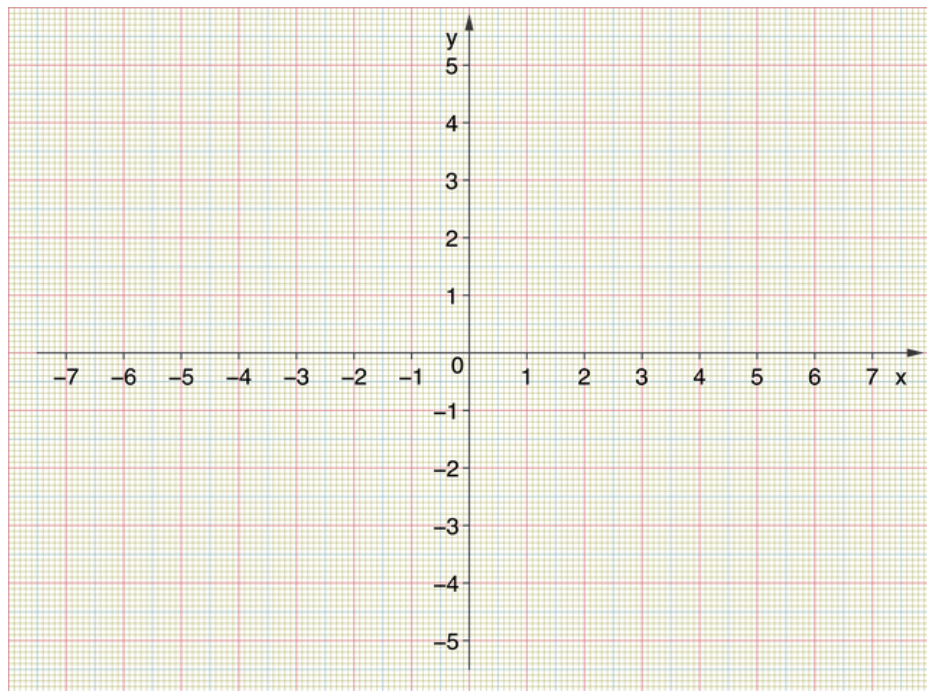


2. Plot these three lines with a computer. Sketch below.

a) $y = 2x + 4$

b) $x = 2y + 4$

c) $y = x$

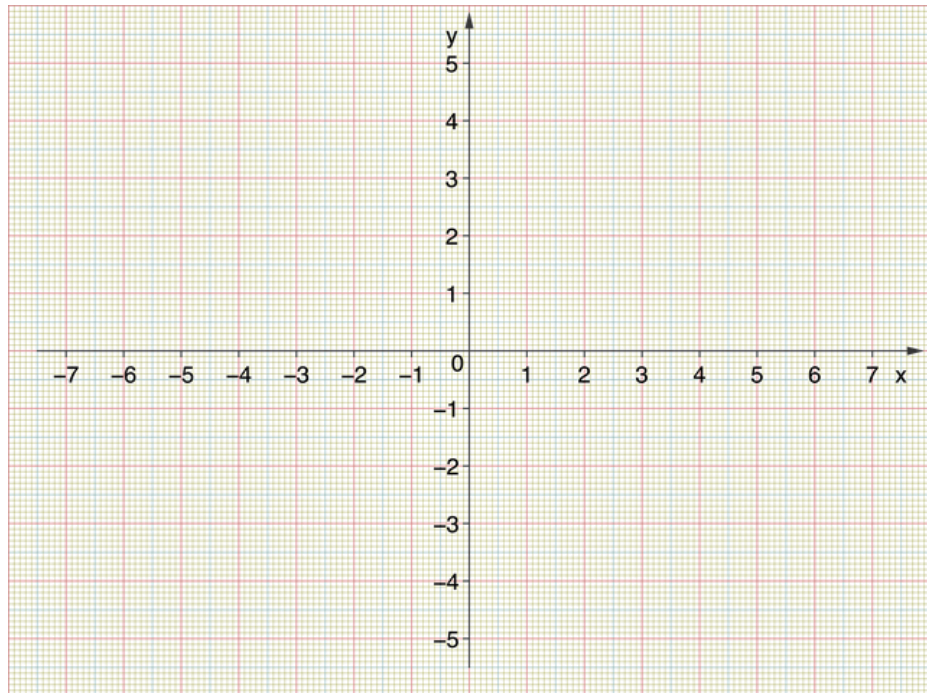


3. Plot these three lines with a computer. Sketch below.

a) $y = \frac{1}{3}x + 1$

b) $x = \frac{1}{3}y + 1$

c) $y = x$



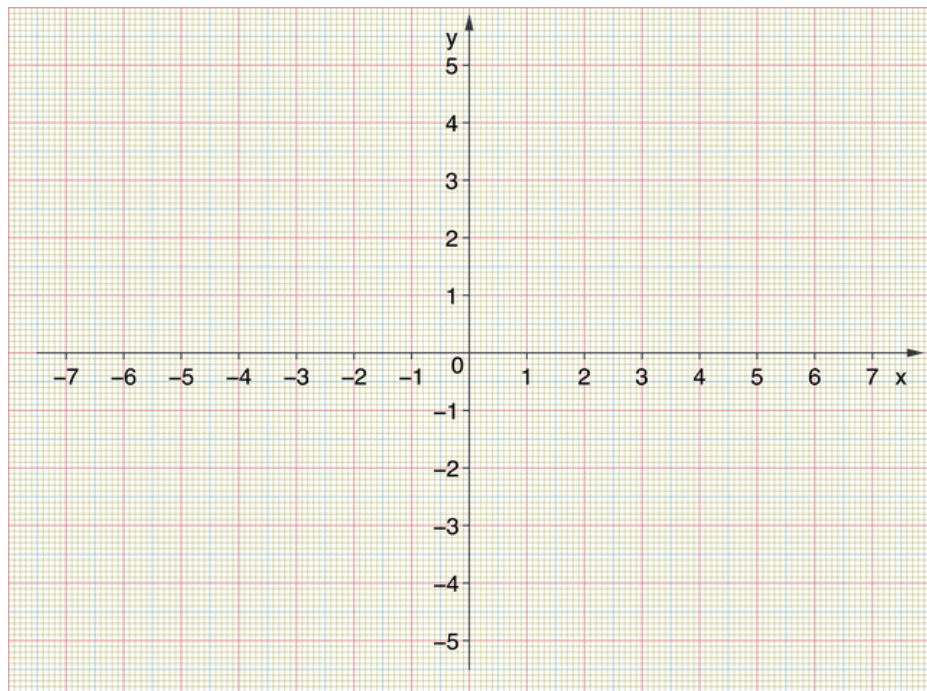
4. Plot these four lines with a computer. Sketch below.

a) $x = 2$

b) $x = -2$

c) $y = 2$

c) $y = -2$



5. Plot these eight lines on the same axis with a computer. What shape is inscribed?

$$y = x + 4$$

$$y = x - 4$$

$$y = -x + 4$$

$$y = -x - 4$$

$$y = 3$$

$$y = -3$$

$$x = 3$$

$$x = -3$$

6. $y = x^2$

a) As x gets really big or really negative, what happens to y ?

b) Can y ever be negative?

c) Plot it with the computer. Freehand it below.

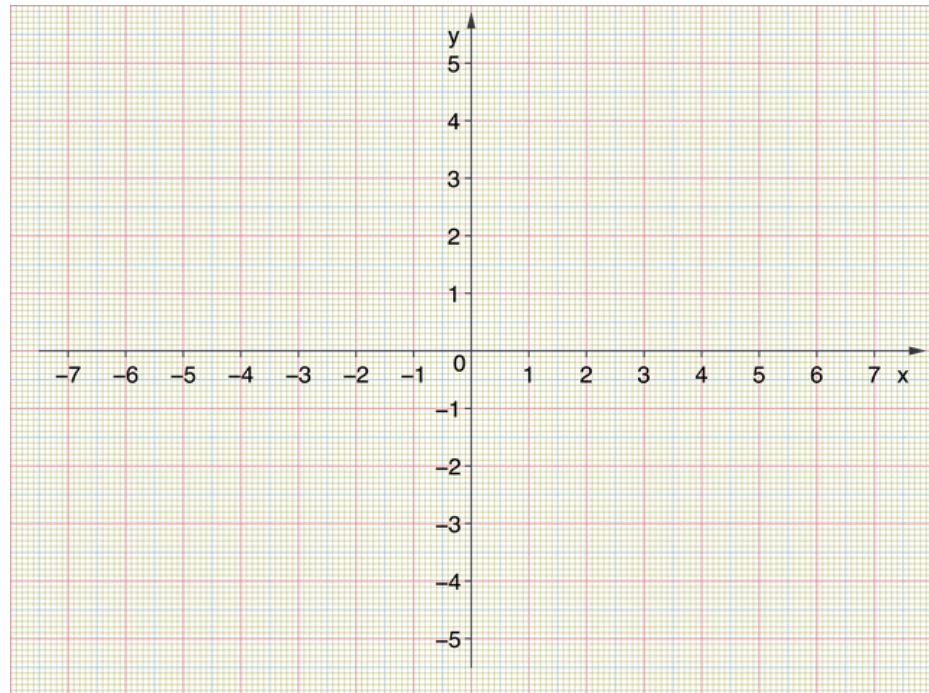
d) What do you think $x = y^2$ would look like?

7. Plot these three equations with a computer. Sketch below.

a) $y = x^2$

b) $x = y^2$

c) $y = x$



8. Plot these three equations with a computer. Sketch below.

a) $y = -x^2$

b) $x = -y^2$

c) $y = x$

