Straight Lines, Areas and Perimeters
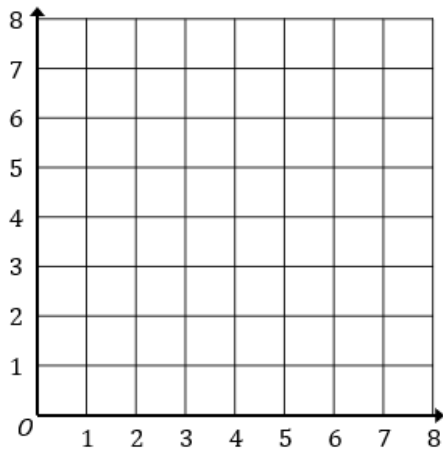
Plot each set of three straight lines to form a triangle.
Find the area and perimeter of the triangle formed.
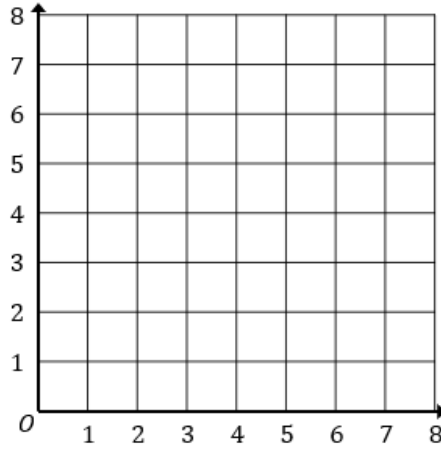
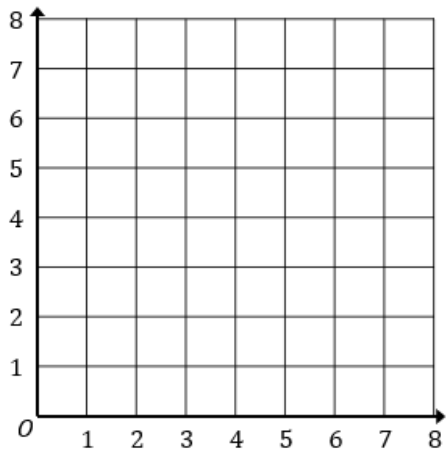## (a)

$y = 2x + 1$ $\qquad$ $y = 1$ $\qquad$ $x = 3$
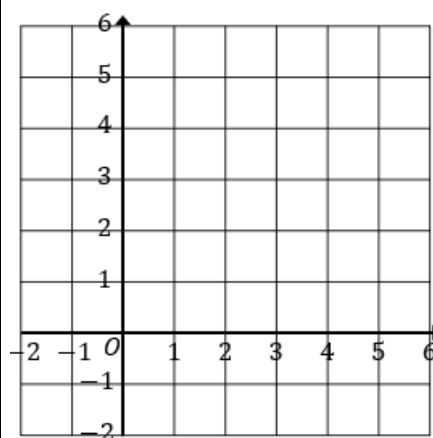

(b)

$y = 6 - 0.5x$ $\qquad$ $y = 2$ $\qquad$ $x = 1$

(c)

$x + y = 8$ $\qquad$ $y = x$ $\qquad$ $y = 7$

(d)

$3x + 2y = 12$ $\qquad$ $y = 0.5x - 2$ $\qquad$ $x = 0$

(e)

$x + y = 4$ $\qquad$ $y = 1 - 0.5x$ $\qquad$ $x = -2$

(f)

$y = 2x + 4$ $\qquad$ $x + y = 4$ $\qquad$ $y = 0.5x - 2$