

Each of the problems below is a yard that needs to be fenced.

a) PERIMETER – Figure out how much fencing is needed for each yard. Make sure to show how you figured out each yard.

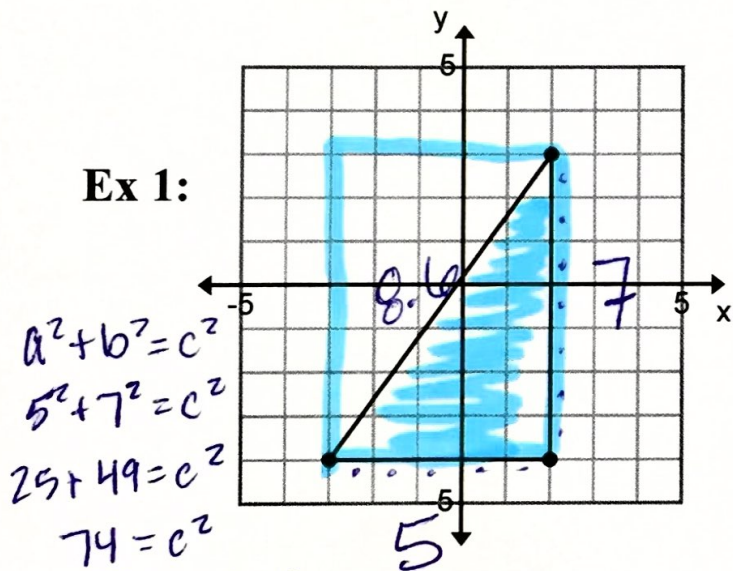
| — Counting Squares

diagonals $a^2 + b^2 = c^2$

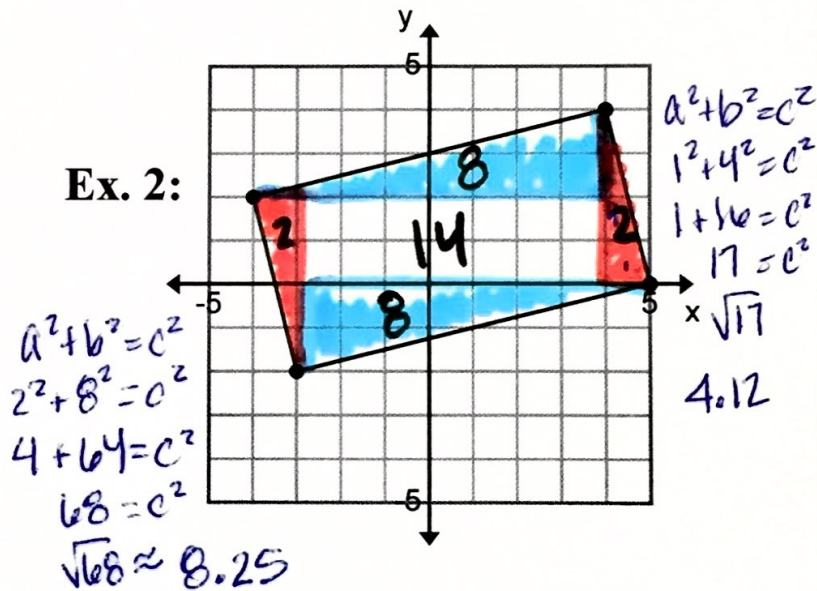
b) AREA – Find the area of the shape using rectangles and triangles.

$\frac{L \times W}{2}$ for all triangles

Ex 1:



Ex. 2:



Perimeter:

$$5 + 7 + 8.6 = 20.6 \text{ u}$$

Perimeter:

$$2(4.12) + 2(8.25) = 24.74 \text{ u}$$

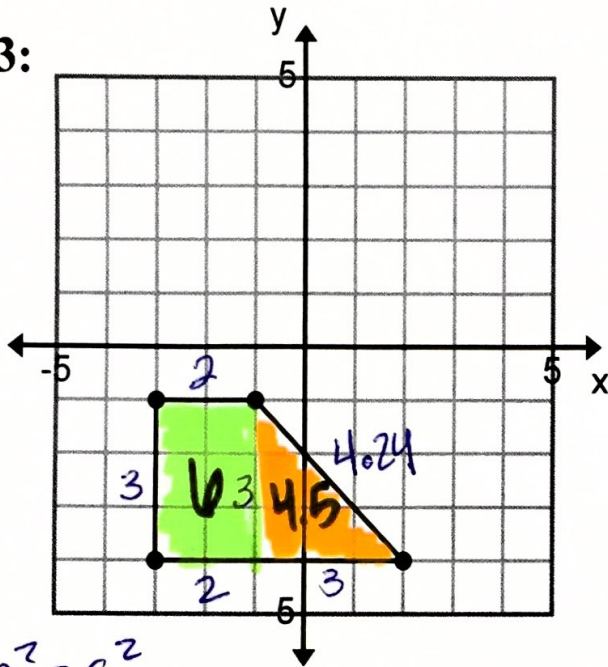
Area:

$$\frac{5 \cdot 7}{2} = \frac{35}{2} = 17.5 \text{ u}^2$$

Area:

$$2(2) + 2(8) + 14 = 4 + 16 + 14 = 34 \text{ u}^2$$

Ex. 3:



Perimeter:

$$5 + 3 + 2 + 4.24$$

$$14.24 \text{ u}$$

Area:

$$6 + 4.5 = 10.5 \text{ u}^2$$

$$a^2 + b^2 = c^2$$

$$3^2 + 3^2 = c^2$$

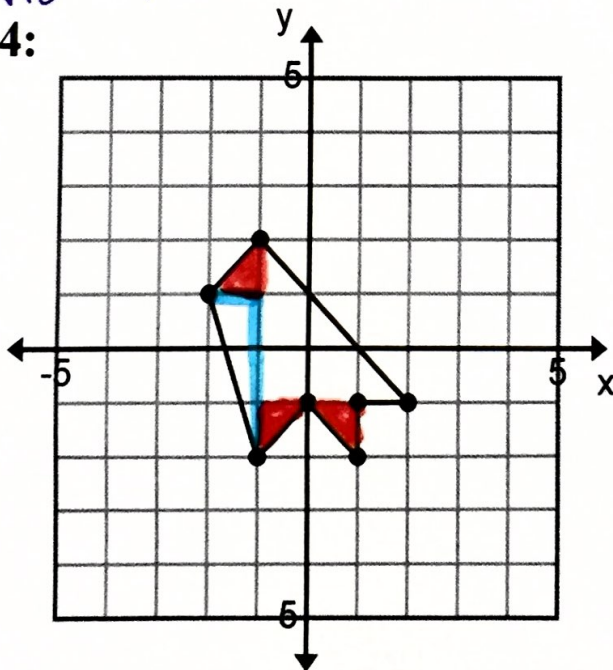
$$9 + 9 = c^2$$

$$18 = c^2$$

$$\sqrt{18} \approx 4.24$$

$$\frac{9}{2} = 4.5$$

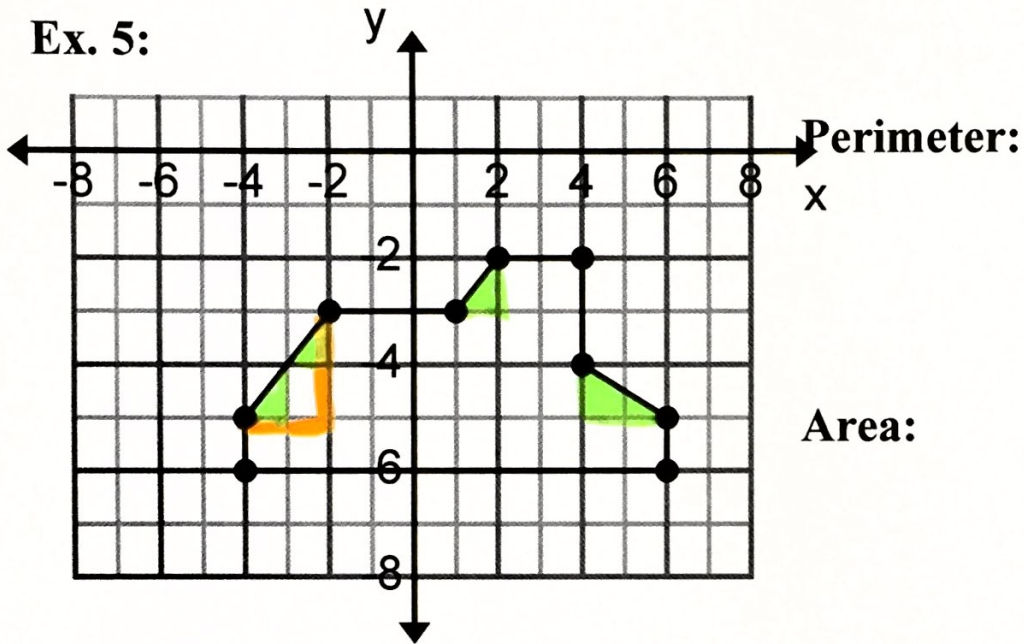
Ex. 4:



Perimeter:

Area:

Ex. 5:



Ex. 6: A polygon with the following vertices: $(-4, 3)$, $(1, 3)$, $(6, 0)$, $(6, -2)$, $(-4, -2)$

