

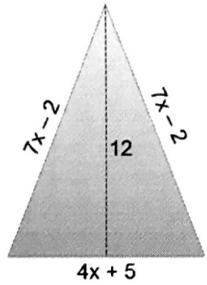
I can find the area and perimeter of shapes by simplifying expressions.

TRIANGLES

To find the perimeter of figures: Add the sides.

To find the area of triangles $\frac{1}{2} b \cdot h$ or $\frac{b \cdot h}{2}$

Find the area and perimeter of the following shapes: Write your answer using fewest terms possible.



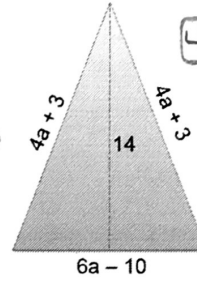
$$7x-2 + 7x-2 + 4x+5$$

$$12(4x+5) = \frac{48x+60}{2}$$

$$24x+30$$

$$P = \underline{18x+1}$$

$$A = \underline{24x+30}$$



$$4a+3 + 4a+3 + 6a-10$$

$$14(6a-10) = \frac{84a-140}{2}$$

$$42a-70$$

$$P = \underline{14a-4}$$

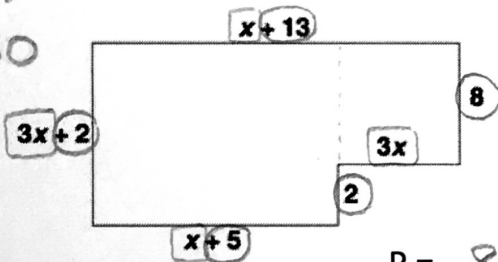
$$A = \underline{42a-70}$$

COMPOSITE SHAPES

Find the area and perimeter of the following shapes: Write your answer using fewest terms possible.

$$10(x+5)$$

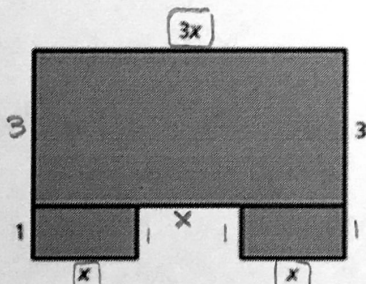
$$10x+50$$



$$P = \underline{8x+30}$$

$$A = \underline{34x+50}$$

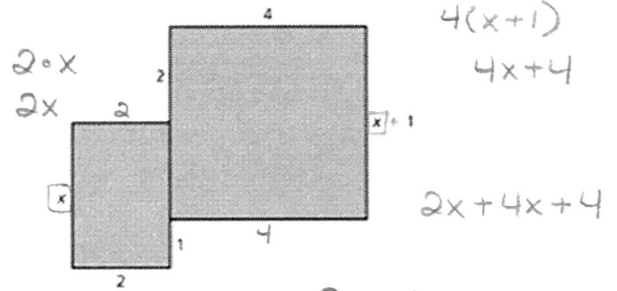
$$30x+20+24x$$



$$1 \cdot x = x \quad 1 \cdot x = x \quad P = \underline{6x+10}$$

$$9x+x+x \quad A = \underline{11x}$$

$$3x \cdot 8 = 24x$$



$$P = \underline{2x+16}$$

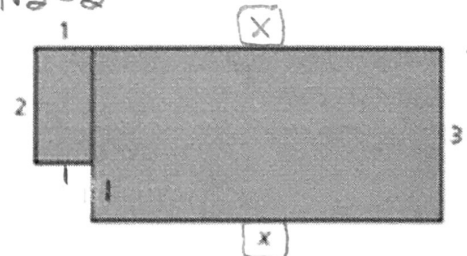
$$A = \underline{6x+4}$$

$$4(x+1)$$

$$4x+4$$

$$2x+4x+4$$

$$1 \cdot 2 = 2$$



$$P = \underline{2x+8}$$

$$A = \underline{3x+2}$$

$$3 \cdot x = 3x$$