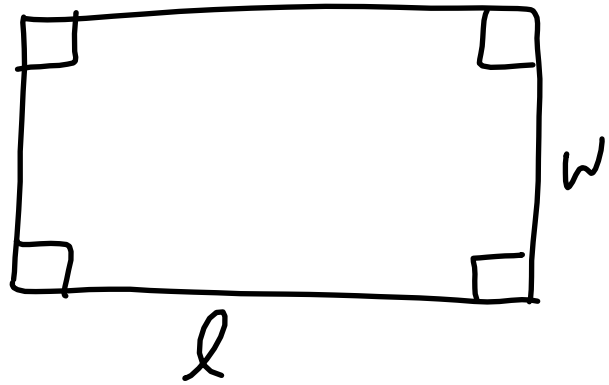


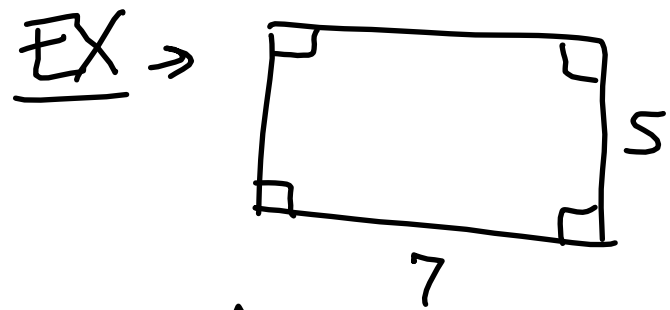
# Area/Perimeter of Rectangles/Triangles

- Rectangle



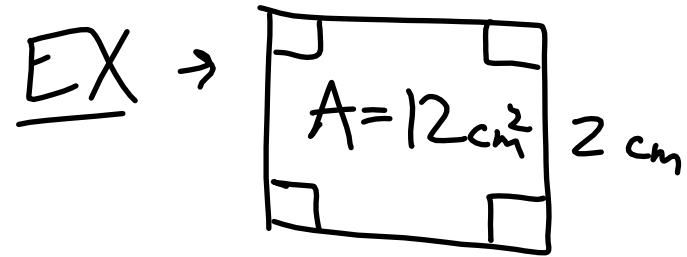
$$A = l \cdot w$$

$$P = 2l + 2w$$



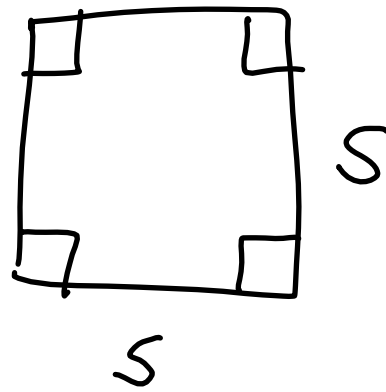
$$A = 7 \cdot 5 = 35$$

$$P = 2(7) + 2(5) = 24$$



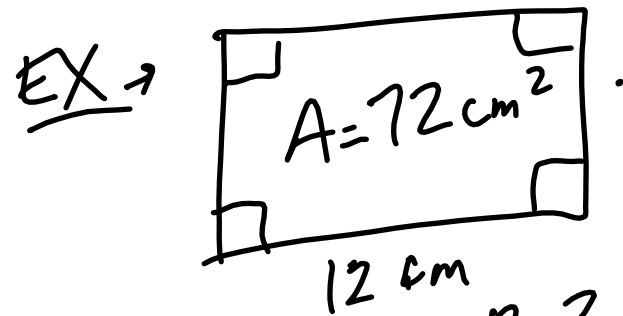
$$A = l \cdot w$$
$$12 = l \cdot 2$$
$$l = 6 \text{ cm}$$
$$P = 2(6) + 2(2)$$
$$= 12 + 4$$
$$= 16 \text{ cm}$$

- Square



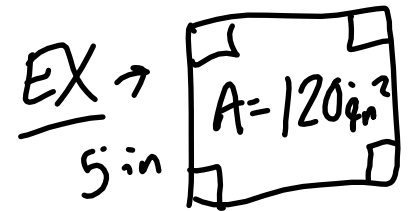
$$A = s \cdot s = s^2$$

$$P = 4 \cdot s$$

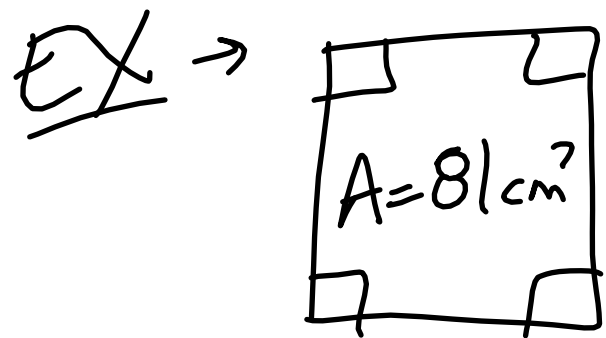


$$A = l \cdot w$$
$$72 = 12 \cdot w$$
$$w = 6$$

$$P = ?$$
$$P = 2(12) + 2(6)$$
$$= 24 + 12$$
$$= 36 \text{ cm}$$



$$A = l \cdot w$$
$$120 = l \cdot 5$$
$$l = 24$$
$$P = 2(24) + 2(5)$$
$$= 48 + 10 = 58$$

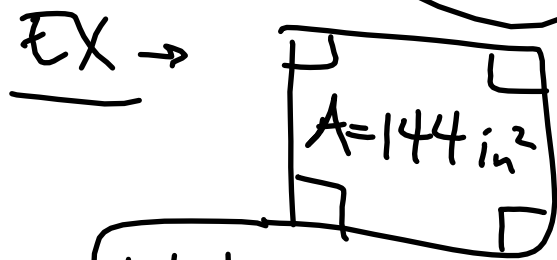


$$A = l \cdot w = l \cdot l = l^2$$

$$\sqrt{81} = \sqrt{s^2}$$

$$9 = s$$

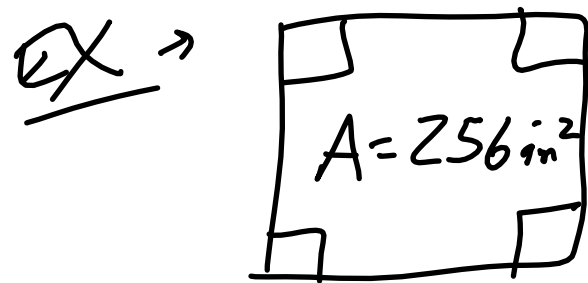
$$P = 9 \cdot 4 = 36 \text{ cm}$$



$$\sqrt{144} = \sqrt{s^2}$$

$$12 = s$$

$$P = 4(12) = 48 \text{ in}$$



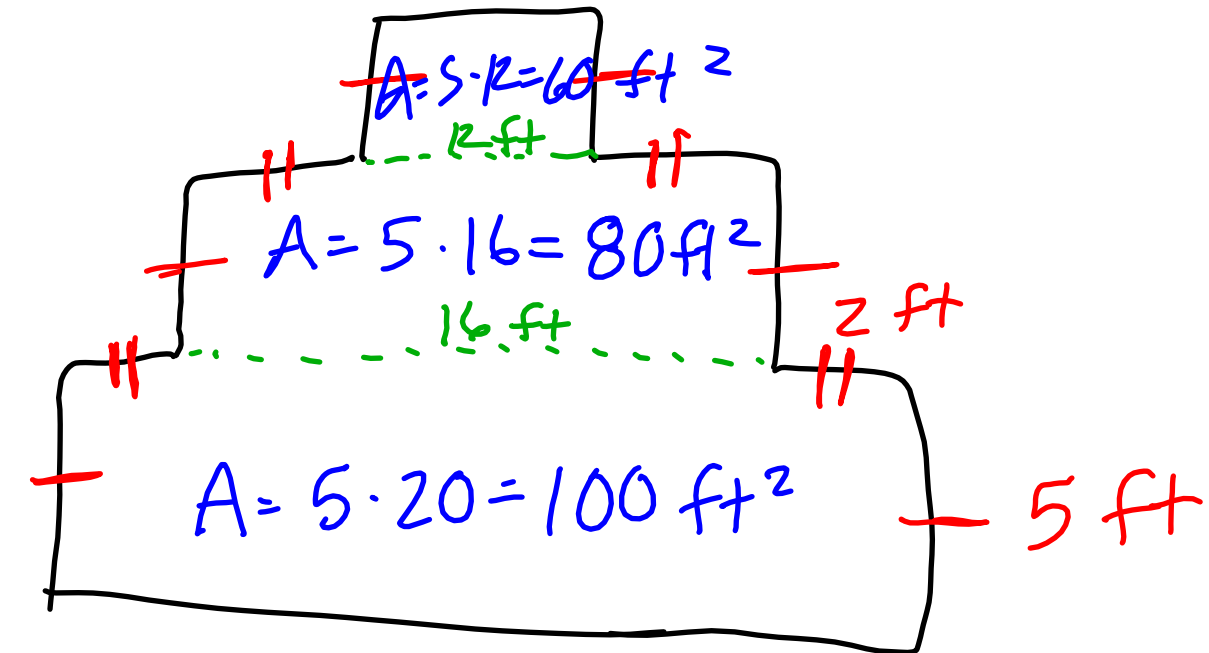
$$\sqrt{256} = \sqrt{s^2}$$

$$16 = s$$

$$P = 16 \cdot 4 = 64 \text{ in}$$

# - Composite Figures

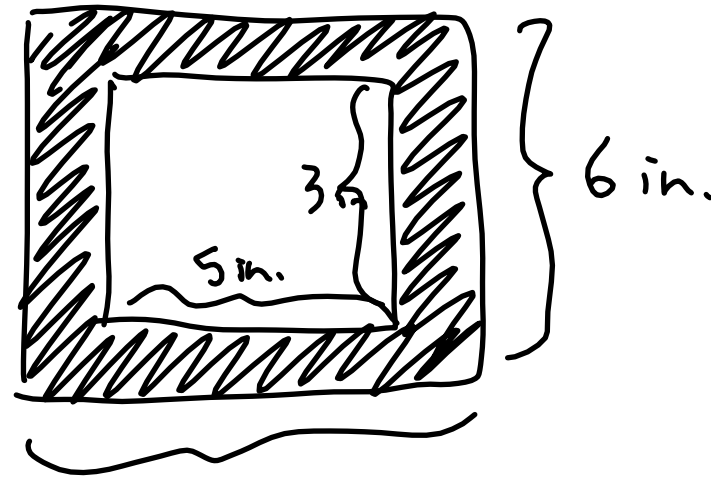
→ To find area, break into smaller shapes



20 ft

$$A = 100 + 80 + 60 = 240 \text{ ft}^2$$

EX →



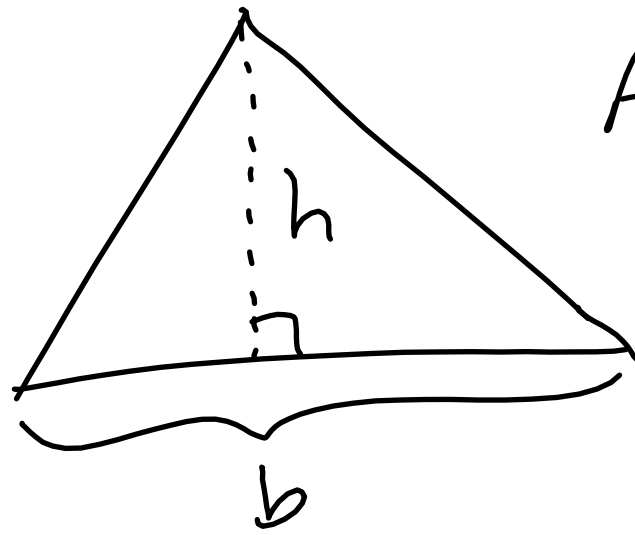
8 in.

outside - inside

$$(8)(6) - (3)(5)$$

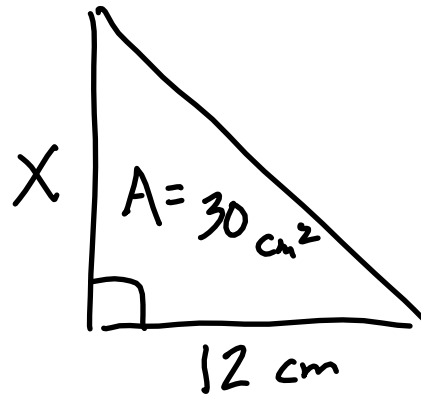
$$48 - 15 = 33 \text{ in}^2$$

- Triangles



$$A = \frac{1}{2}bh$$

EX →



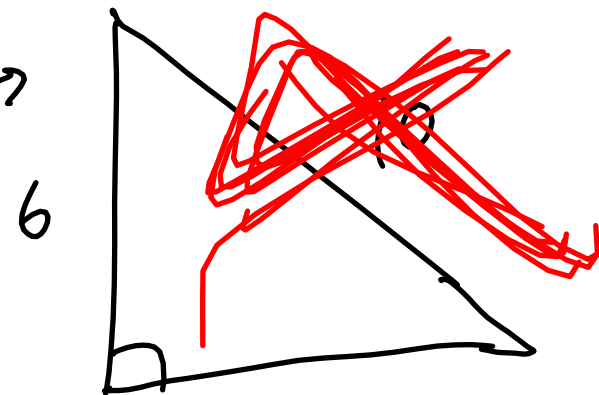
$$A = \frac{1}{2}bh$$
$$30 = \frac{1}{2}(12)h$$
$$30 = 6h$$
$$h = 5 \text{ cm}$$

EX →



$$A = \frac{1}{2}(3)(6) = 9 \text{ in}^2$$

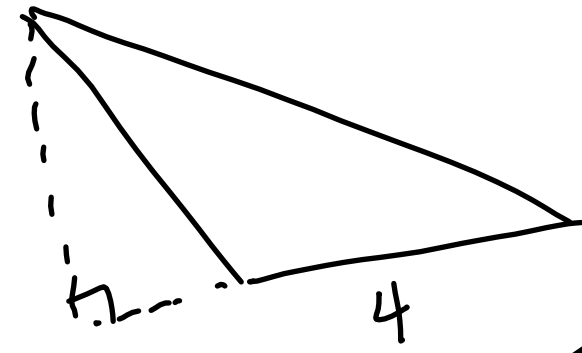
EX →



$$A = \frac{1}{2}(6)(8)$$
$$A = 24 \text{ units}^2$$

EX →

5



$$A = \frac{1}{2}(5)(4) = 10 \text{ units}^2$$

HW: p. 64 → 7-9, 18-22, 31-37, 41-43, 45, 46