

GRADE 10 ESSENTIAL  
UNIT D – 2D GEOMETRY  
AREA PUZZLE 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

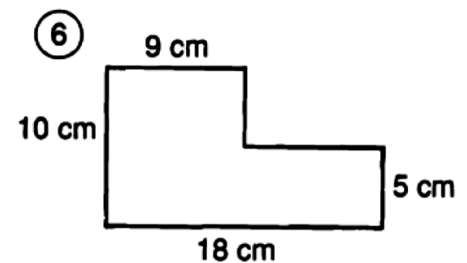
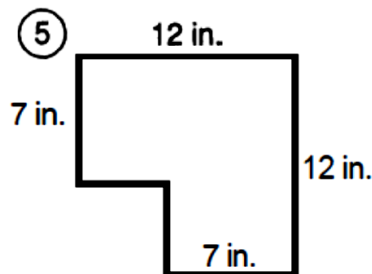
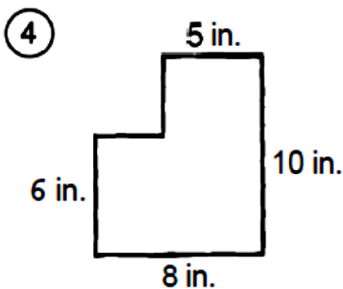
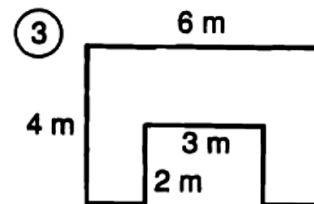
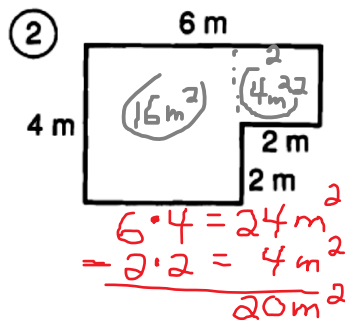
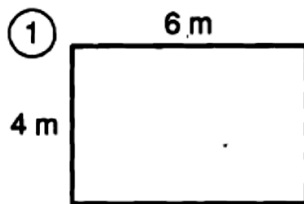
*Show work as usual*

## Why Do Elephants Have Ivory Tusks?

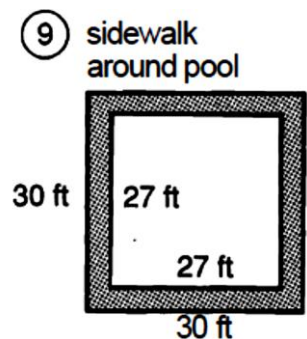
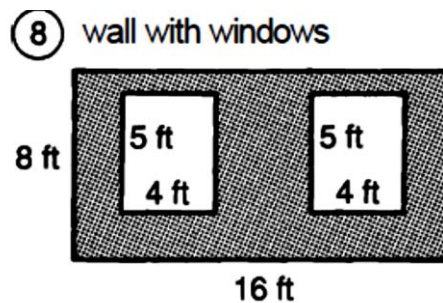
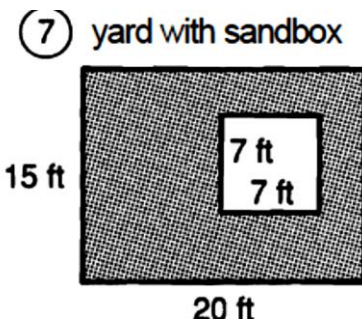
Do each exercise and find your answer in the answers below. Write the letter of the answer in each box containing the number of the exercise.

I. Find the area of each figure:

*Break into simple rectangles, or subtract the cut out part(s)*



II. Find the shaded region of each figure: (ie: subtract the cut out)



III. Solve:

*Draw your own diagram!*

10. A bedroom is 15 feet long by 12 feet wide. How much will it cost to carpet the room if carpeting costs \$22 per square yard? (1 yd = 3 ft)

11.. A rose garden in the city park is rectangular and is 9 m wide. If the area of the rectangle is  $144 \text{ m}^2$ , what is the length of the garden?

..... **ANSWERS** .....

- (A)  $219 \text{ ft}^2$     (T)  $68 \text{ in.}^2$     (U)  $251 \text{ ft}^2$     (G)  $124 \text{ cm}^2$     (C)  $21 \text{ m}^2$     (N) \$440  
 (L)  $20 \text{ m}^2$     (F) \$520    (V)  $108 \text{ in.}^2$     (E)  $24 \text{ m}^2$     (D)  $88 \text{ ft}^2$     (P) 19 m  
 (I)  $135 \text{ cm}^2$     (S)  $171 \text{ ft}^2$     (R) 16 m    (B)  $165 \text{ ft}^2$     (W)  $119 \text{ in.}^2$     (O)  $18 \text{ m}^2$

6	11	3	10	3	10	1	9	5	3	7	2	8	11	7	9	4
---	----	---	----	---	----	---	---	---	---	---	---	---	----	---	---	---

*Show work!*  
*Draw diagrams!*  
*Write formula, plug in numbers!*