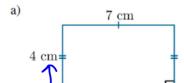
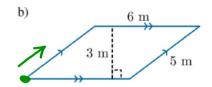
## Solutions

Page 264 #s 1, 2, 4 - 8, 11, 12

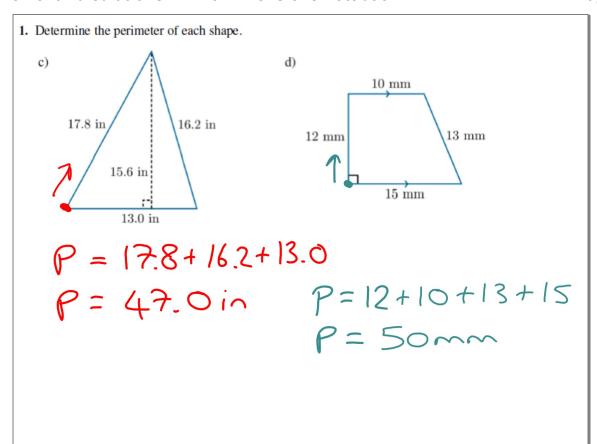
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1. Determine the perimeter of each shape.

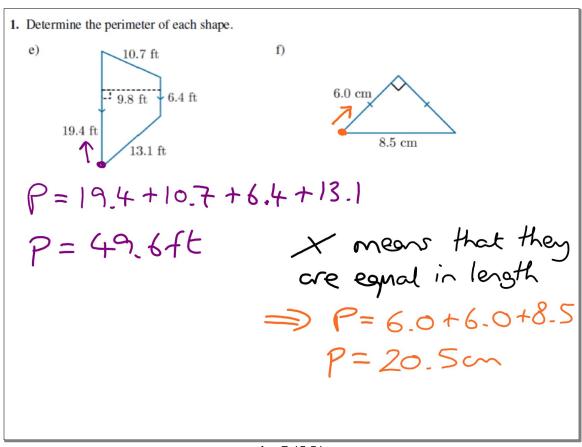




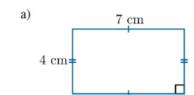
$$P = 4+7+4+7$$
  $P = 5+6+5+6$   
 $P = 22 cm$   $P = 22 cm$ 



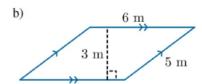
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2. Determine the area of each shape in question #1.



$$A = 7 \times 4$$

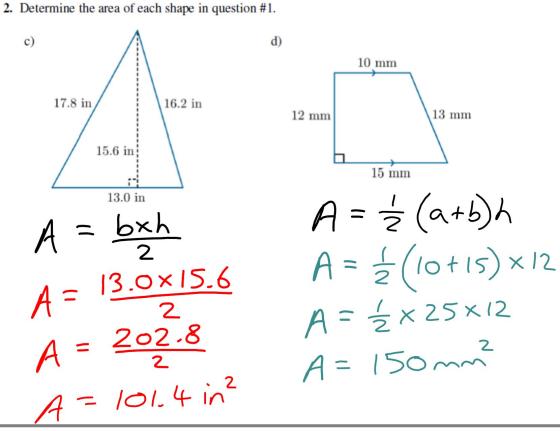


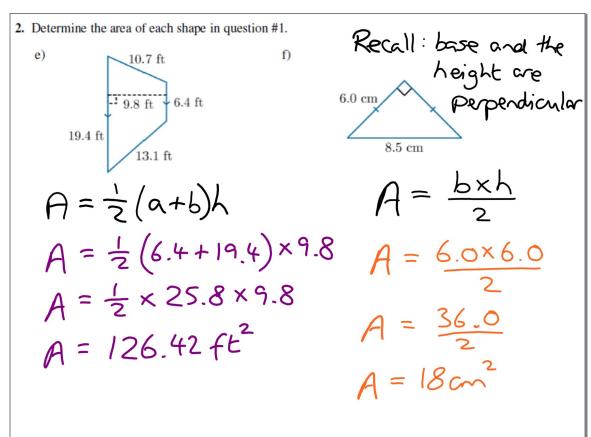
$$A = 6 \times 3$$

$$A = 6 \times 3$$

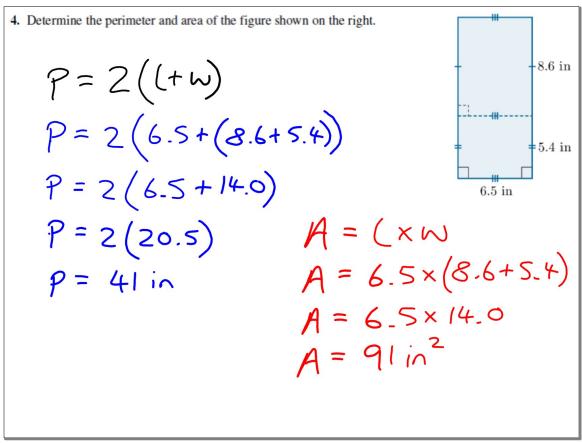
$$A = 18 \times 2$$

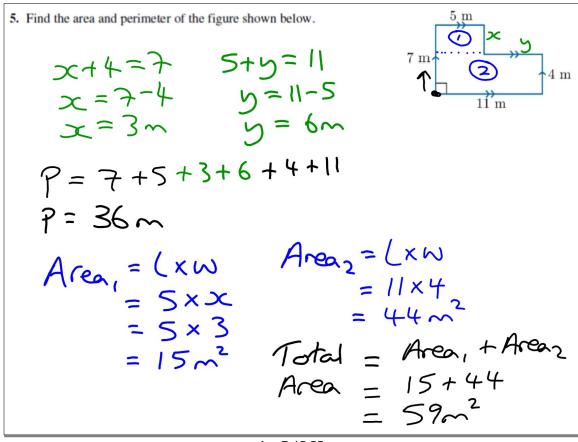
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6. A rectangle has a length of 12.5 m and an area of 390 m<sup>2</sup>. Determine the width of the rectangle.

Area = longth x width
$$\frac{390}{12.5} = 12.5 \times \text{width}$$

$$\frac{12.5}{12.5}$$

$$31.2 \text{ m} = \text{width}$$

7. A square has a perimeter of 152 inches. Determine the area of the square.

$$P = S+S+S+S$$

$$P = 4S$$

$$\Rightarrow 152 = 4S$$

$$4 = 38 \text{ in} = \text{Side length}$$

$$Area = \text{Side} \times \text{side}$$

$$= 38 \times 38$$

$$= 1444 \text{ in}^2$$

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8. A square has an area of 295.84 cm<sup>2</sup>. Find the perimeter of the square.

$$A = Side^{2}$$

$$\Rightarrow 295.84 = Side^{2}$$

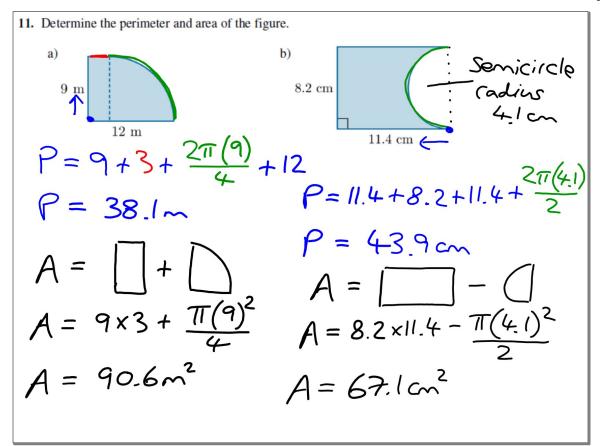
$$17.2 \text{ cm} = Side^{2}$$

$$P = 45$$

$$P = 4(17.2)$$

$$P = 68.8 \text{ cm}$$

## 6.1 Measurement Calculations in Two Dimensions.notebook



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