

Geo

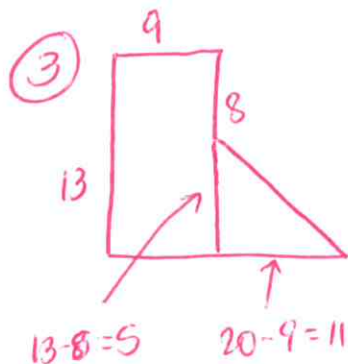
SLOT / Area Study Guide

① $A = (3.7)(7.6) = 28.12 \text{ cm}^2$

$P = 10.3 + 10.3 + 3.7 + 3.7 = 28 \text{ cm}$

② $A = \frac{1}{2} (3.2) = \frac{12.8 \text{ cm}^2}{2} = 6.4 \text{ cm}^2$

$P = 3.2 + 6 + 9.8 = 19 \text{ cm}$



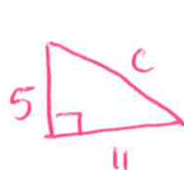
Area

$A_{\text{rectangle}} = 9 \times 13 =$

$A_{\Delta} = \frac{1}{2} (5)(11) = \frac{1}{2} (55) = \frac{55}{2} = 27\frac{1}{2}$

$A_{\text{total}} = 117 + 27\frac{1}{2} = 144\frac{1}{2} \text{ cm}^2$
 Thing

Perimeter



$5^2 + 11^2 = c^2$
 $25 + 121 = c^2$
 $c^2 = 146$
 $c = \sqrt{146}$

$P = 13 + 9 + 8 + \sqrt{146} + 20$

$P = (60 + \sqrt{146}) \text{ cm}$

④ $A = \frac{1}{2} (19 + 29.2)(12.6)$

$A = \frac{1}{2} (48.2)(12.6)$

$A = \frac{1}{2} (607.32)$

$A = 303.66 \text{ m}^2$

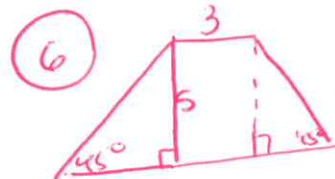
$P = 19 + 14.5 + 14.5 + 29.2 = 77.2 \text{ m}$

⑤ $A = 24.36$

$A = 864$

$\frac{27h}{27} = \frac{864}{27}$

$h = 32 \text{ ft}$



$5^2 + 5^2 = c^2$
 $25 + 25 = c^2$
 $c^2 = 50$
 $c = 5\sqrt{2}$
 base = $5 + 3 + 5 = 13$

$A = \frac{1}{2} (3 + 13)(5)$

$A = \frac{1}{2} (16)(5)$

$A = 8 \cdot 5 = 40 \text{ cm}^2$

$P = 3 + 5\sqrt{2} + 5 + 3 + 5 + 5\sqrt{2}$

$P = (16 + 10\sqrt{2}) \text{ cm}$

⑦ $A = \frac{1}{2} (9 + 9)(4 + 4)$

$A = \frac{1}{2} (18)(8)$

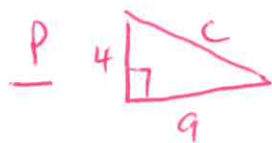
$A = \frac{1}{2} (144) = 72 \text{ m}^2$

⑧ $A = \frac{1}{2} (15.7)(9.10)$

$A = \frac{1}{2} (15.7)(90)$

$A = 45 \cdot 15.7$

$A = 706.5 \text{ ft}^2$



$c^2 = 4^2 + 9^2$

$c^2 = 16 + 81$

$c^2 = 97$ $c = \sqrt{97}$

$P = 4 + \sqrt{97} = 4\sqrt{97}$

⑨ $m\angle 1 = \frac{360}{8} = 45^\circ$

$m\angle 3 = \frac{45}{2} = 22\frac{1}{2}^\circ$

$m\angle 2 = 90 - 22\frac{1}{2} =$

$67\frac{1}{2}$