

552. 1) $135^\circ + 48^\circ + 152^\circ + 56^\circ + 145^\circ + 164^\circ + 150^\circ = 850^\circ$

$n=7$

$S_n = (n-2) \cdot 180^\circ$

$S_7 = (7-2) \cdot 180^\circ$

$S_7 = 5 \cdot 180^\circ$

$S_7 = 900^\circ$

661. $R = 2r = 2m$ $r = 1m$

$P = ?$ $O = ?$

$r = a = 1m$

$O = 6a$

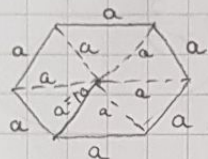
$O = 6 \cdot 1$

$O = 6m$

$P = 6 \cdot \frac{a^2 \sqrt{3}}{4}$

$P = 6 \cdot \frac{1^2 \sqrt{3}}{4}$

$P = 2 \cdot \frac{3\sqrt{3}}{2} m^2$



662. f) $P = ?$

$d = 8\sqrt{3}$

$d = a\sqrt{3}$

$8\sqrt{3} = a\sqrt{3} / \sqrt{3}$

$8cm = a$

$P = 6 \cdot \frac{a^2 \sqrt{3}}{4}$

$P = 6 \cdot \frac{8^2 \sqrt{3}}{4}$

$P = 6 \cdot 16\sqrt{3}$

$P = 96\sqrt{3} cm^2$

e) $d = 12$

$a\sqrt{3} = 12 / \sqrt{3}$

$a = \frac{12}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}}$

$a = \frac{12\sqrt{3}}{\sqrt{3}^2} = \frac{12\sqrt{3}}{3} = 4\sqrt{3} cm$