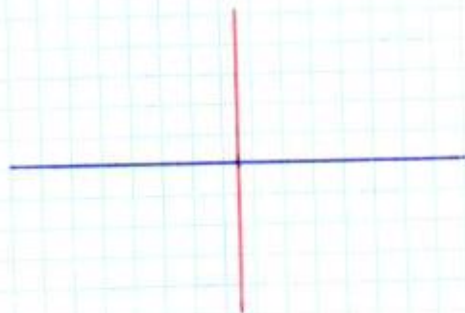
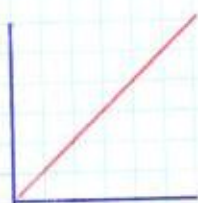


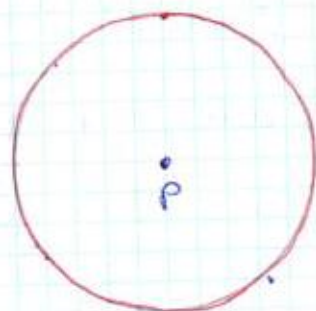
(1) a)



b)



c)

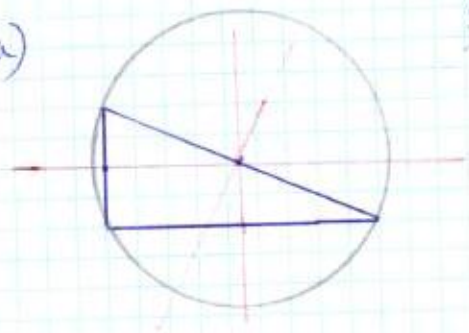


(3)

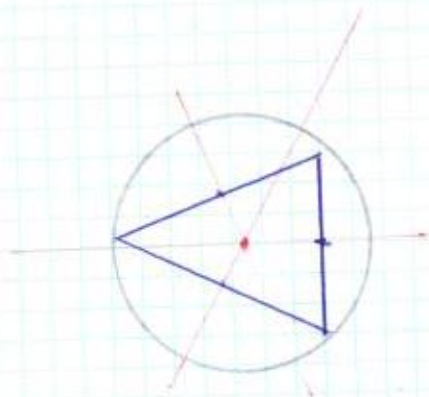
a) Lugar geométrico de los puntos que equidistan $d/2$ de la recta r

b) Lugar geométrico de los puntos que están a una distancia " d " de la " r " y que están alineados con el punto P .

(4) a)

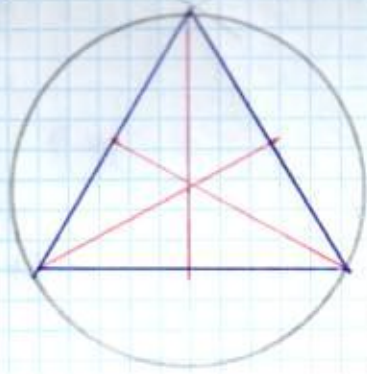


b)



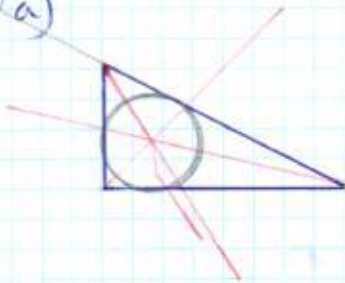
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(5)

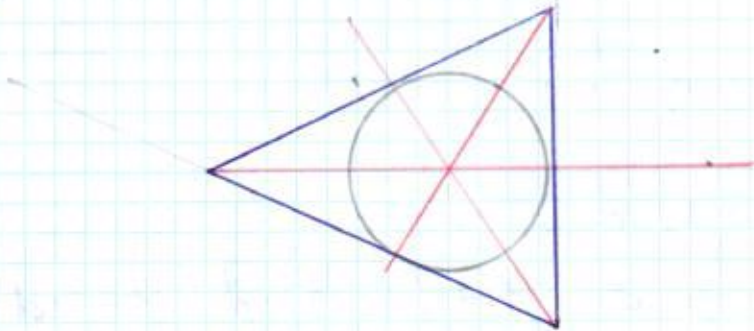


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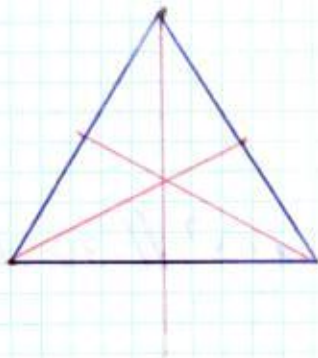
(7a)



b)



(8)



ortocentru e incentru coinciden

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(53) $a_n = a_1 + (n-1) \cdot d$

$$a_n = 7 + (n-1) \cdot 6$$

$$79 = 7 + (n-1) \cdot 6$$

$$79 - 7 = (n-1) \cdot 6$$

$$72 = (n-1) \cdot 6$$

$$(n-1) = \frac{72}{6} = 12 \quad // \quad n = 12 + 1 = 13$$

$$\underline{\underline{n = 13}}$$

(57) $1, a_2, a_3, a_4, 9$

$$a_n = a_1 + (n-1) \cdot d$$

Para $a_5 = 9 \Rightarrow 9 = 1 + (5-1) \cdot d = 1 + 4d$

$$9 = 1 + 4d \quad // \quad 4d = 9 - 1 = 8 \quad // \quad d = \frac{8}{4} = 2$$

a 1, 3, 5, 7, 9

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(74) $a_n = a_1 \cdot r^{n-1} \quad // \quad a_3 = a_1 \cdot r^2 \quad // \quad 30 = 6 \cdot r^2$

$$r^2 = \frac{30}{6} = 5 \quad // \quad r = \pm \sqrt{5}$$

$$a_4 = a_1 \cdot r^3 \quad // \quad a_4 = 6 \cdot (\pm \sqrt{5})^3 = \underline{\underline{\pm 30\sqrt{5}}}$$

(94) a) $a_n = a_1 + (n-1) \cdot d = 150 + (n-1) \cdot 30$

$$a_{12} = 150 + (11) \cdot 30 = \underline{\underline{480 \text{ Usuarios}}}$$

b)

$$S = \frac{(a_1 + a_n) \cdot n}{2} \quad // \quad a_{10} = 150 + (9) \cdot 30 = \underline{\underline{420}}$$

$$S_{10} = \frac{(a_1 + a_{10}) \cdot 10}{2} = \frac{(150 + 420) \cdot 10}{2} = \underline{\underline{2.850}}$$

(97) Será la suma de los 8 primeros términos de una progresión geométrica con $r = 2$ y $a_1 = 0,25$

$$S_n = \frac{a_1 (r^n - 1)}{r - 1}$$

$$S_8 = \frac{0,25 (2^8 - 1)}{2 - 1} = \frac{0,25 \cdot 255}{1} = \underline{\underline{63,75 \text{ €}}}$$