SOLUCIONES:

FUNCIONES:

1. $a$ = 3
2. $i)$ 2 ii) -3/4

ANALÍTICA:

1. a) m[AB]: y = 1/2 x + 1 b) x2 + y2 - 4x – 14y – 2 = 0
2. C ( 3; 2) cfa: x2 + y2 – 6x – 4y – 12 = 0
3. Y = $\frac{1+\sqrt{5}}{8}x^{2}-\left(\frac{1-\sqrt{5}}{2}\right)x+2$
4. Y = -3x2 + 9x + 12
5. 4x2 + y2 + 24x – 6y + 29 = 0
6. 4x2 -9y2 -8x +54y – 113 = 0
7. i) K < 0 ii) k = 2 iii) k > 10
8. a) elipse $\frac{x^{2}}{25}+\frac{y^{2}}{9}=1$ C (0; 0) V (5; 0) V’ (-5; 0) B (0;$\pm $3) F ( $\pm $ 4; 0) b) elipse a = 3 b = 2 C (-4; 4/9) V ( -1; 0) V’ (-7; 0) B (-4; 2-4/9) B’ (-4; -2-4/9)

c) Parábola V (1; -1) F (3/2; -1) d: x = ½

d) Circunferencia O (-2; 3) r = $\sqrt{45}$

e) Hipérbola V (4; 3) V’ (-2; 3) C (1; 3) F ($1\pm \sqrt{13}$ ; 3)

9) 9x2 + 25y2 = 225

 Y = x + n t1: y = x + $\sqrt{34}$ t2: y = x - $\sqrt{34}$