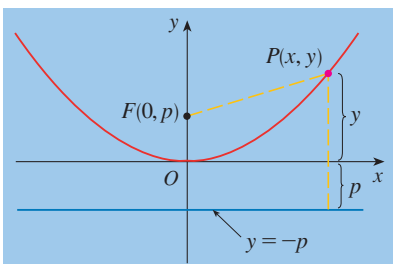
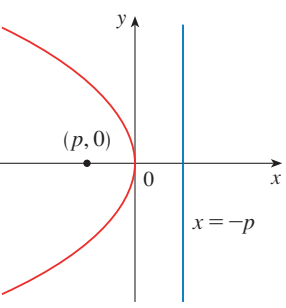
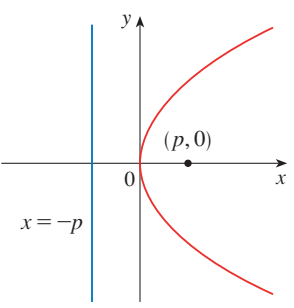
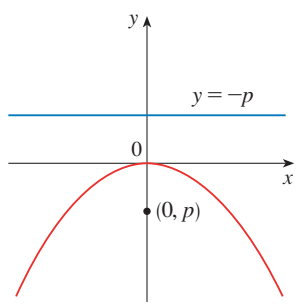
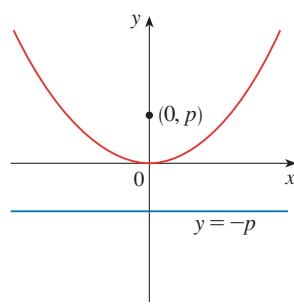


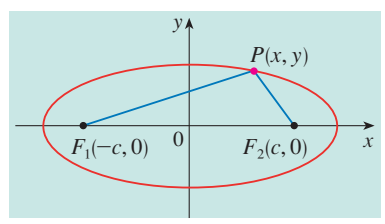
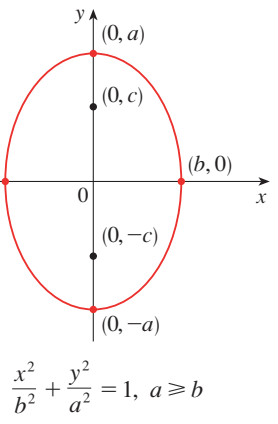
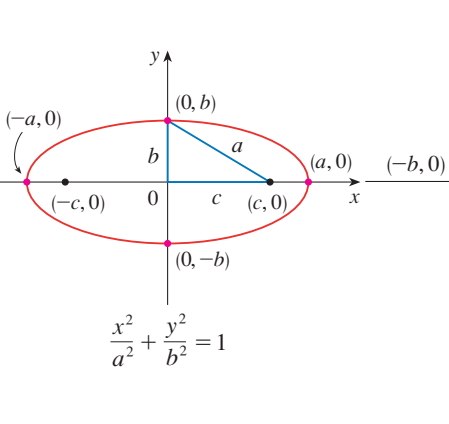
سهمی



$$\sqrt{x^2 + (y - p)^2} = |y + p| \quad x^2 = 4py$$



بیضی



$$|PF_1| + |PF_2| = 2a$$

$$\sqrt{(x+c)^2 + y^2} + \sqrt{(x-c)^2 + y^2} = 2a$$

$$\sqrt{(x-c)^2 + y^2} = 2a - \sqrt{(x+c)^2 + y^2}$$

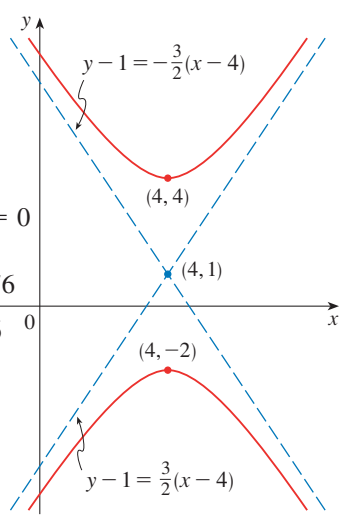
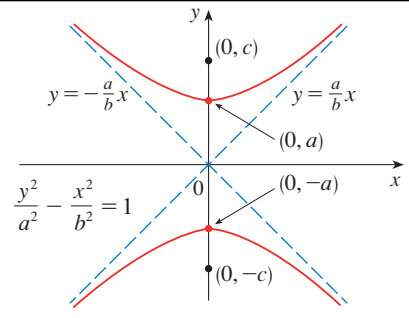
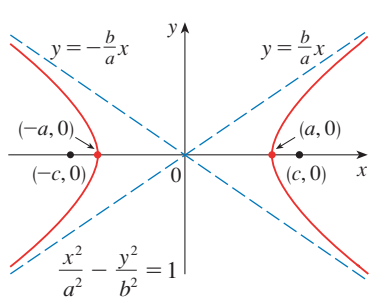
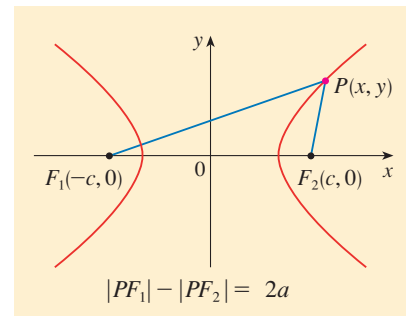
$$x^2 - 2cx + c^2 + y^2 = 4a^2 - 4a\sqrt{(x+c)^2 + y^2} + x^2 + 2cx + c^2 + y^2$$

$$a\sqrt{(x+c)^2 + y^2} = a^2 + cx$$

$$a^2(x^2 + 2cx + c^2 + y^2) = a^4 + 2a^2cx + c^2x^2$$

$$(a^2 - c^2)x^2 + a^2y^2 = a^2(a^2 - c^2)$$

هذلولی

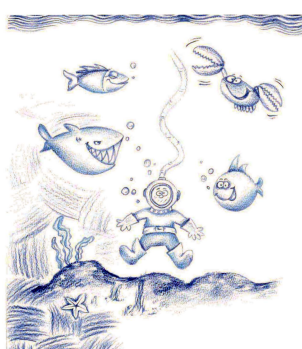


$$9x^2 - 4y^2 - 72x + 8y + 176 = 0$$

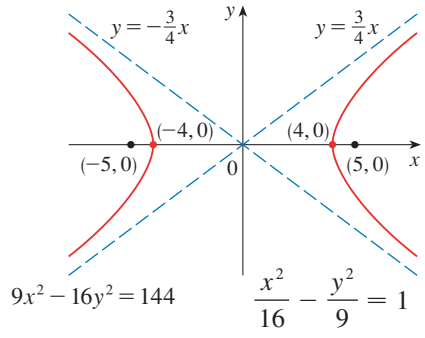
$$4(y^2 - 2y) - 9(x^2 - 8x) = 176$$

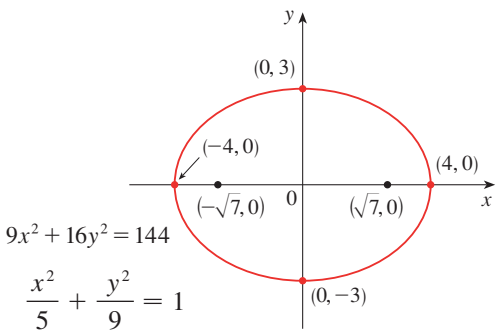
$$4(y - 1)^2 - 9(x - 4)^2 = 36$$

$$\frac{(y - 1)^2}{9} - \frac{(x - 4)^2}{4} = 1$$



مهندس عالی داعی
مهندس خسرو تاش
تهیه و تدوین





$$b^2 = a^2 - c^2 = 9 - 4 = 5$$

