

7-17 21-36
odd all

7) $y = -\frac{1}{4}x^2 + 1$

V(0,1)

F(0,0)

D $y = 2$

9) $\frac{x^2}{2} - \frac{y^2}{8} = 1$

C(0,0)

F($\pm\sqrt{10}$, 0)

V($\pm\sqrt{2}$, 0)

A: $y = \pm 2x$

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

V(2, -2)

F(2, $-\frac{3}{2}$)

D ($y = -\frac{5}{2}$)

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

C(1, 2)

F(1, $2 \pm \sqrt{5}$)

V(1, 0) (1, 4)

A: $y - 2 = \pm 2(x - 1)$

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

C(2, 1)

F($2 \pm \sqrt{5}$, 1)

V(-1, 1) (5, 1)

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

V(2, -1)

F(2, -2)

D $y = 0$

21) $yx = \frac{1}{8}y^2$

22) $\frac{x^2}{16} + \frac{y^2}{25} = 1$

A: $y = \pm \frac{5}{4}x$

23) $\frac{y^2}{4} - \frac{x^2}{12} = 1$

A: $y = \pm \frac{1}{\sqrt{3}}x$

24) $y = \frac{1}{12}x^2$

25) $\frac{x^2}{16} + \frac{y^3}{7} = 1$

26) $\frac{x^2}{4} - \frac{y^2}{12} = 1$

27) $y = -\frac{1}{4}(x-2)^2 - 3$

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

29) $\frac{(x+2)^2}{1} - \frac{(y+3)^2}{5} = 1$

A: $y + 3 = \pm\sqrt{5}(x + 2)$

30) $y = -\frac{1}{4}(x-3)^2 + 7$

31) $\frac{(x+4)^2}{16} + \frac{(y-5)^2}{25} = 1$

$$32) \frac{(x-1)^2}{16} - \frac{(y-3)^2}{25} = 1 \quad A: y-3 = \pm \frac{\sqrt{5}}{2}(x-1)$$

$$33) \frac{(x+1)^2}{9} - \frac{(y-2)^2}{7} = 1$$

$$A: y-2 = \pm \frac{\sqrt{7}}{3}(x+1)$$

$$34) \frac{(y+2)^2}{1} - \frac{(x-4)^2}{15} = 1$$

$$A: y+2 = \pm \sqrt{15}(x-4)$$

$$35) \frac{(x-3)^2}{9} - \frac{(y-1)^2}{4} = 1$$

$$A: y-1 = \pm \frac{2}{3}(x-3)$$

$$36) \frac{(y-2)^2}{4} - \frac{(x-4)^2}{1} = 1$$

$$A: y-2 = \pm 2(x-4)$$