

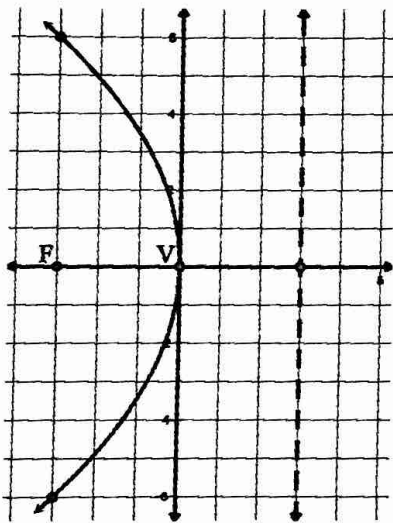
8.3 Parabola Practice - Answers

1. $(1, \frac{1}{2})$ 2. $y = -8$ 3. $(9, 2)$

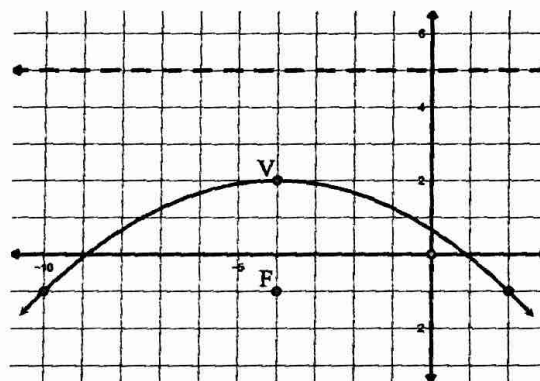
4. $(x-4)^2 = 8(y-6)$ 5. $(x-3)^2 = -16(y+2)$ 6. $(y+5)^2 = -4(x+3)$ 7. $(x-5)^2 = 12(y+1)$

8. $(y-9)^2 = -20(x+2)$ 9. $(y+1)^2 = 12x$

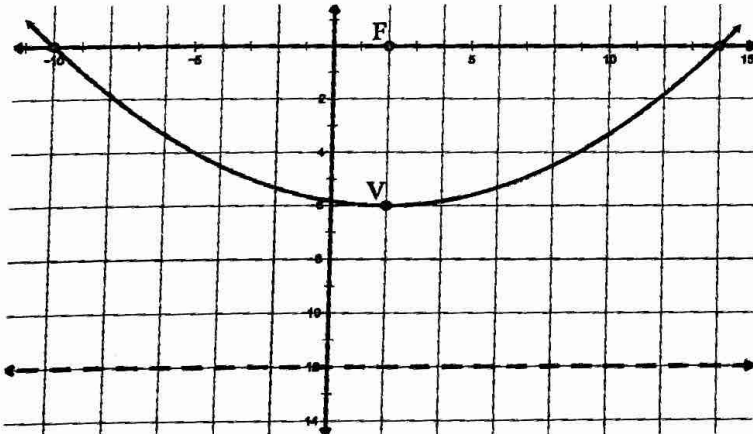
10. $y^2 = -12x$



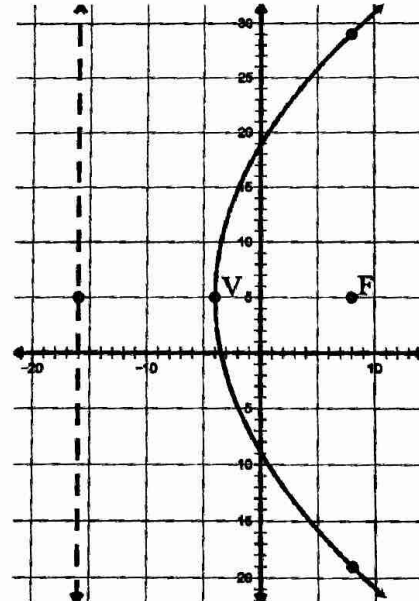
11. $(x+4)^2 = -12(y-2)$



12. $(x-2)^2 = 24(y+6)$



13. $(y-5)^2 = 48(x+4)$

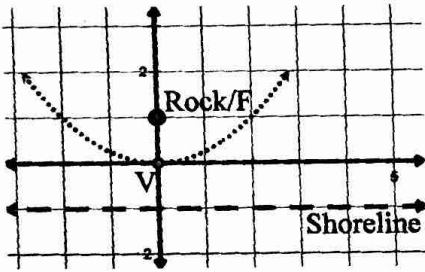


14. $y^2 = 12x$

15. $(x+8)^2 = -24(y+3)$

16. $(y-4)^2 = -\frac{7}{2}(x+6)$

17. a.



b. parabolic, opens up

c. vertex at the origin, $x^2 = 4y$