

Answer Key
9.2 – Parabolas Rev 2013

1) $(y - k)^2 = 4p(x - h)$

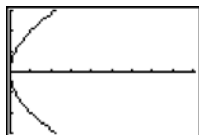
2) $(x - h)^2 = 4p(y - k)$

3) $x = h - p$

3b) $y = k - p$

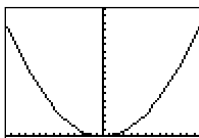
4) Horizontal; V: (0, 0); F: (1, 0); D: $x = -1$;

AoS: $y = 0$; LR: 4



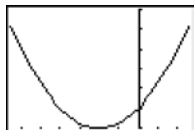
5) Vertical; V: (0, 0); F: (0, 3); D: $y = -3$;

AoS: $x = 0$; LR: 12



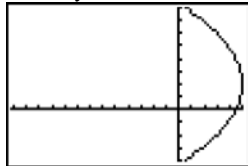
6) Vertical; V: (-2, 1); F: (-2, 2); D: $y = 0$;

AoS: $x = -2$, LR : 4

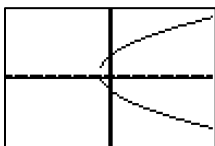


7) Horizontal; V: (5, 2); F: (3, 2); D: $x = 7$;

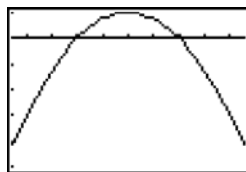
AoS: $y = 2$; LR : 8



8) Horizontal; V: (-4, 3); F: (2, 3); D: $x = -10$;
AoS: $y = -4$; LR: 24



9) Vertical; V: (7, 1); F: (7, 0); D: $y = 2$;
AoS : $x = 7$; LR: 4



10) F: (-6, 0); D: $x = 6$

11) F: (-5, 0); D: $x = 5$

12) F: (0, 4); D: $y = -4$

13) $y^2 = -12x$; D: $x = 3$

14) $(x + 1)^2 = -8(y - 2)$

15) $x^2 = 8(y - 4)$

16) $(y - 2)^2 = 8x$

17) $(x - 2)^2 = 8(y + 3)$

18) $(x + 3)^2 = 4(y - 1)$

19) $y^2 = 6\left(x - \frac{3}{2}\right)$; F: (3, 0)

20) $x^2 = 24y$

21) B

22) D

23) E

24) F

25) A

26) C