

SM 2H 5.2 answers

1. parabola

2. circle or ellipse

3. hyperbola

4. ellipse

5. parabola

6. circle or ellipse

7. up, (7, -1), 12, 3, (7,2), x=7, y=-4

8. right, (9, -4), 8, 2, (7, -4), y=-4, x=11

9. 1, $(y - 1)^2$

10. 25, $(y + 5)^2$

11. $\frac{9}{4}, (y - \frac{3}{2})^2$

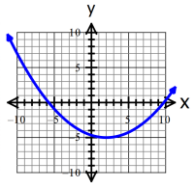
12. $\frac{25}{16}, (y - \frac{5}{4})^2$

13. $y = (x + 3)^2 - 9$

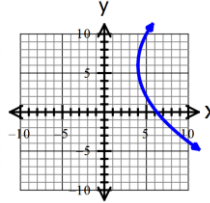
14. $y = (x - 5)^2 - 28$

15. $x = (y - \frac{7}{2})^2 - \frac{23}{2}$

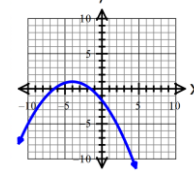
16. up, (2, -5), 12, 3, (2, -2), y=-8



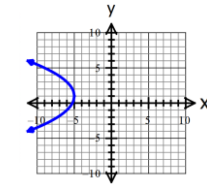
17. right, (4, 6), 16, 4, (8, 6), x=0



18. down, (-4, 1), 6, $\frac{3}{2}$, (-4, -1/2), y=-2.5



19. left, (-5, 1), 4, 1, (-6, 1), y=-4



20. $x^2 = 8y$

21. $x^2 = -20y$

22. $y^2 = -12(x + 1)$

23. $(y + 3)^2 = -8(x - 4)$

24. $(x - 3)^2 = 6(y - 2.5)$

25. $y^2 = -12x$

26. $(y - 4)^2 = 8(x + 4)$

27. $(x - 2)^2 = -16(y - 1)$

28. $(x - 2)^2 = 16(y + 1)$