

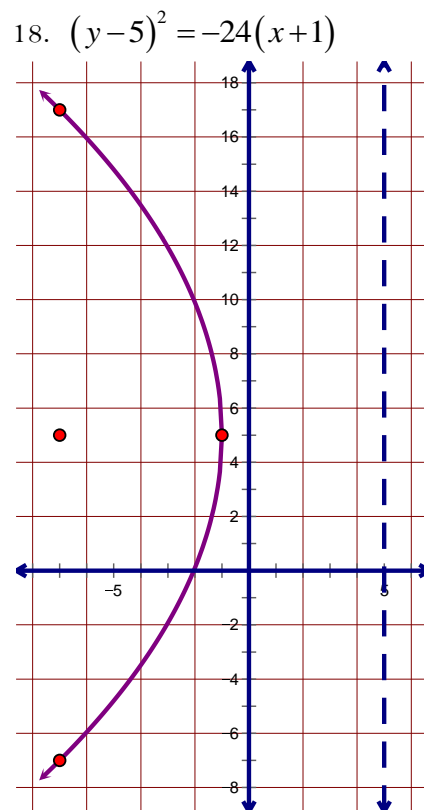
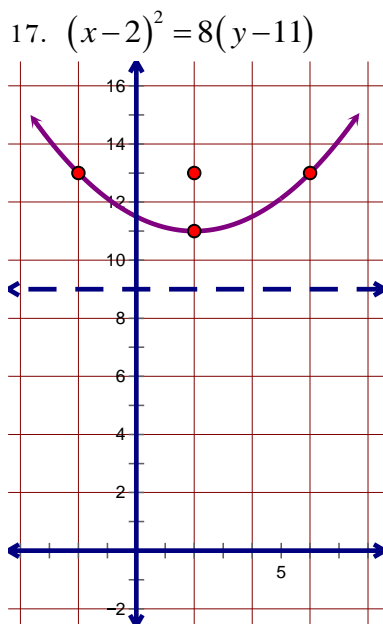
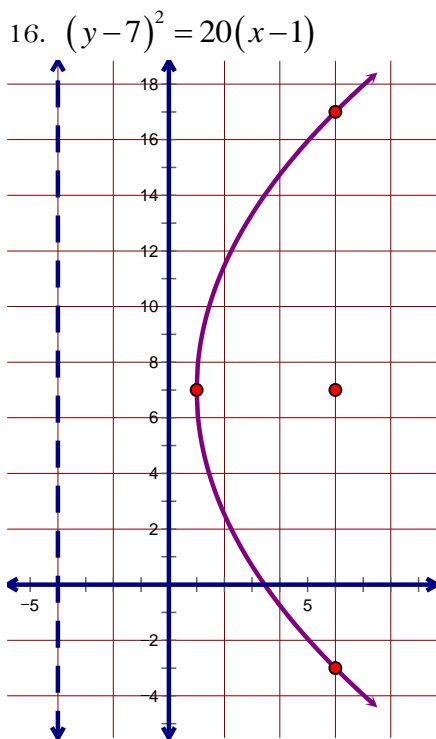
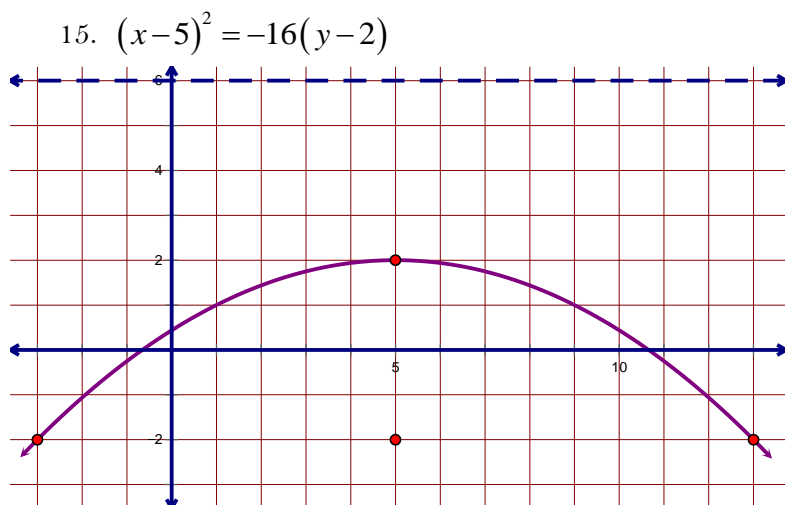
8.1-8.3 Review – Answers

1. $\sqrt{53}$ 2. $3\sqrt{13}$ 3. $13\sqrt{2}$ 4. $x=5$ and $x=13$

5. $(x+3)^2 + (y-4)^2 = 37$, C: $(-3,4)$, R: $\sqrt{37}$ 6. $(x-5)^2 + (y+7)^2 = 71$, C: $(5,-7)$, R: $\sqrt{71}$

7. $x^2 - 10x + y^2 + 4y + 22 = 0$ 8. $x^2 - 18x + y^2 - 8y + 89 = 0$ 9. $\frac{23}{21}$ 10. $-\frac{21}{8}$

11. $\frac{5}{3}$ 12. $-\frac{1}{81}$ 13. $\frac{34}{75}$ 14. $\frac{75}{8}$



19. $(x-3)^2 = 8(y-1)$ 20. $(y+4)^2 = 20(x+3)$ 21. $(x+5)^2 = -2(y+2)$