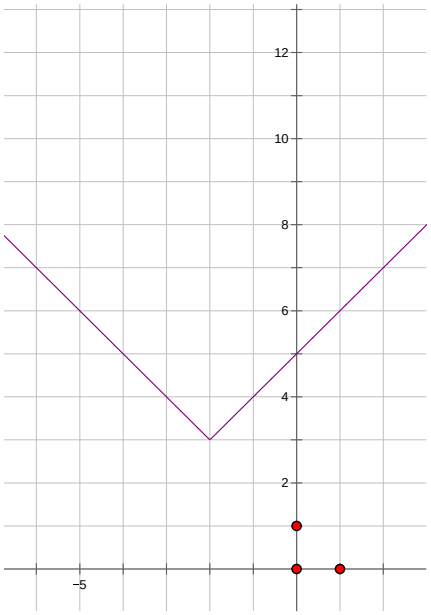
Radical Operations – Answers

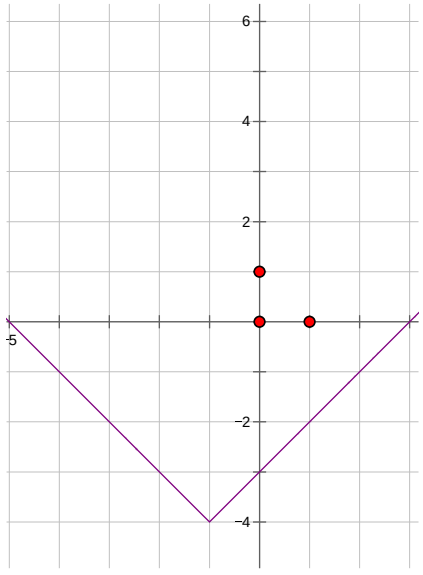
1. $2\sqrt{6}$ 2. $8\sqrt[3]{2}$ 3. $14\sqrt{3}$ 4. $-\sqrt{3}$ 5. $8$ 6. $\sqrt{15}$ 7. $3\sqrt{2}$

8. $5\sqrt[3]{5}$ 9. $-3\sqrt{5}$ 10. $0$ 11. $10\sqrt{14}$ 12. $-20$ 13. $8\sqrt[3]{2}$ 14. $-3\sqrt{2}$

13. $72\sqrt[3]{10}$ 14. $40$ 15. $\sqrt{3}$ 16. $\frac{5}{6}$ 17. $4$ 18. $\frac{2\sqrt[3]{2}}{5}$ 19. $\frac{1}{2}$




20. D: $(-\infty,\infty)$ R: $[3,\infty)$




21. D: $(-\infty,\infty)$ R: $[-4,\infty)$

22. Yes; D: $(-\infty,\infty)$ R: $(-\infty,\infty)$ 23. Yes; D: $(-\infty,\infty)$ R: $(-\infty,2]$