

Section 1.3 – Roots

Problem Set 2

Simplify the following expressions.

1. $\sqrt{121}$

2. $\sqrt{600}$

3. $\sqrt{72}$

4. $\sqrt{432}$

5. $\sqrt{364}$

6. $\sqrt{126}$

7. $\sqrt{475}$

8. $\sqrt{68}$

80. $\sqrt[3]{729}$

10. $\sqrt[3]{2401}$

11. $\sqrt[3]{32}$

12. $\sqrt[3]{1296}$

13. $\frac{-8}{3\sqrt{2}}$

14. $\frac{-7}{2\sqrt{7}}$

15. $\frac{121}{4\sqrt{11}}$

16. $\frac{-3}{2\sqrt{6}}$

17. $\frac{\sqrt{6}}{2+\sqrt{3}}$

18. $\frac{-2}{2-\sqrt{5}}$

19. $\frac{3}{4+\sqrt{5}}$

20. $\frac{-2}{3+\sqrt{6}}$