



ACT COMPASS Preparation Worksheet

Pre-algebra: Square Roots

Find each square root.

1. $\sqrt{64} = 8$

5. $\sqrt{25} = 5$

2. $\sqrt{36} = 6$

6. $\sqrt{1} = 1$

3. $\sqrt{49} = 7$

7. $\sqrt{9} = 3$

4. $\sqrt{0} = 0$

8. $\sqrt{4} = 2$

Find each square root. Round to the nearest whole number.

9. $-\sqrt{200} = -14$

13. $-\sqrt{127} = -11$

10. $\sqrt{144} = 12$

14. $\sqrt{1} = 1$

11. $-\sqrt{80} = -9$

15. $-\sqrt{36} = -6$

12. $-\sqrt{34} = -6$

16. $-\sqrt{148} = -12$

Find each square root.

17. $-\sqrt{\frac{1}{4}} = -\frac{1}{2}$

20. $\sqrt{\frac{81}{49}} = 1\frac{2}{7}$

18. $\sqrt{\frac{81}{121}} = \frac{9}{11}$

21. $-\sqrt{\frac{25}{196}} = -\frac{5}{14}$

19. $\sqrt{\frac{49}{196}} = \frac{1}{2}$

22. $-\sqrt{\frac{196}{225}} = -\frac{14}{15}$