

Algebra Chapter 6 Test Answers

1. $\frac{-3}{4}$

2. $\frac{1}{18}$

3. $12\frac{1}{2}$

4. $\frac{-5}{2ny}$

5. $\frac{-26}{49}$

6. $\frac{15x^4y}{2}$

7. 14

8. 110

9. 37.5%

10. a.) 72 miles per hour
b.) \$5.12 per hour
c.) 22.5 miles per hour

You had to do \$12.80 divided by \$1.60 to figure out how many gallons of gas he used on the trip.

11. $n \neq 3$

12. $n \neq 5$ and $n \neq -5$

13. $\frac{d}{w}$

14. $\frac{d}{7w}$

15. $\frac{1}{13}$

16. $n = \frac{-2}{3}$

17. $n = 2$

18. $n = \pm\sqrt{54}$

19. $n = -2$
20. 10%
21. 12:28 which simplifies to 3:7
22. 28
23. 4 miles per hour
24. 500 cm or 5 meters
25. (8, -12)
26. 12 cm
27. 18%
28. $\frac{y}{a}$
29. 240 minutes or 4 hours
30. 78.75 minutes = 1 hour 18 minutes and 45 seconds
31. $x = 17\frac{1}{7}$ cm and $y = 21$ cm
32. $\frac{1}{16}$
33. It rotates 180 degrees and the lengths of the sides stay the same.
34. $\frac{1}{3}$