

SIERRA VISTA HIGH SCHOOL
MATHEMATICS DEPARTMENT

Nevada High School Mathematics
Practice Proficiency Exam
Mini-Test 1

1999
(10 Questions)



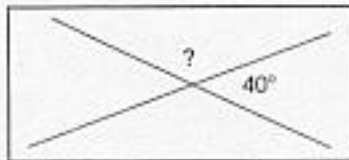
Practice Proficiency #1

Numbers and Operations

- Milena purchased a snow board for \$625. The sales tax she paid was \$50. What was the sales tax rate?
 - 0.08 %
 - 0.125 %
 - 5 %
 - 8 %
 - 12.5 %
- The temperature fell 12 degrees Fahrenheit over a four-hour period. If the decrease was spread equally over the four hours, how much did the temperature change in each hour?
 - Decreases 4 degrees
 - Increases 4 degrees
 - Decreases 3 degrees
 - Increases 3 degrees
 - Decreases 12 degrees
- The price for cashews is \$7.50 per pound. If you buy 0.46 lb. at the grocery store and 0.38 lb. at the specialty store, how much will you pay altogether?
 - \$ 13.80
 - \$ 7.50
 - \$ 6.30
 - \$ 3.45
 - \$ 2.85

Measurement and Geometry

- What is the best measurement for the length of a car?
 - 4 kilometers
 - 4 hectometers
 - 4 meters
 - 4 centimeters
 - 4 millimeters
- Erica is planning to install three new cabinets in her kitchen. She would like two cabinets that are 2 ft. 9 in. wide and a third cabinet that is 3 ft. 6 in. wide. How wide will all three cabinets be when side-by-side?
 - 6.5 ft.
 - 9.4 ft.
 - 6 ft. 4 in.
 - 9 ft.
 - 23 ft.
- Find the missing angle measure.
 - 40°
 - 50°
 - 90°
 - 140°
 - 180°



Data, Probability, and Statistics

7. A bag contains 3 purple, 4 green, 4 blue, and 4 white marbles. What is the probability of selecting a marble that is NOT purple out of the bag?
- A. 1 out of 5
 - B. 1 out of 4
 - C. 3 out of 4
 - D. 4 out of 5
 - E. 7 out of 8

Depths of Large Bodies of Water

Body of water	Average Depth (m)	Body of water	Average Depth (m)
Hudson Bay	90	Atlantic Ocean	3,740
Mediterranean Sea	1,500	Pacific Ocean	4,190
Arctic Ocean	1,330	Black Sea	1,190

8. The average depth of the Red Sea is 540 m. Use the table above to determine which bodies of water listed are deeper than the Red Sea.
- A. Hudson Bay
 - B. Black Sea
 - C. Both Pacific and Atlantic Oceans
 - D. All except Hudson Bay
 - E. None of the above.

Algebra and Functions

9. Bruns Corporation stock had a change of -5 . If its stock closed at 93, what price did the stock open that day?
- A. -5 points
 - B. 88 points
 - C. 93 points
 - D. 98 points
 - E. Not enough information given.
10. It cost \$24 per day plus \$0.08 per mile to rent a car. Jeanne's charges for a one-day rental was \$42.32. How many miles did she drive the car?
- A. 829 miles
 - B. 529 miles
 - C. 300 miles
 - D. 229 miles
 - E. 53 miles