

Semester 2 Exam Practice – Radicals and Stats
(Multiple Choice 27-30)

Radicals and Stats Review
Notes

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27. Simplify the radical expression.

$$\sqrt{\frac{45}{49}}$$

- a. $\sqrt{\frac{9}{7}}$
- b. $\frac{5\sqrt{3}}{7}$
- c. $\frac{3\sqrt{5}}{7}$
- d. $\frac{3\sqrt{5}}{\sqrt{7}}$

28. Simplify the radical expression by rationalizing the denominator.

$$\frac{4}{\sqrt{3}}$$

- a. $\frac{4\sqrt{3}}{3}$
- b. $\frac{4\sqrt{3}}{6}$
- c. $\frac{2}{3}$
- d. $\frac{4\sqrt{3}}{\sqrt{3}}$

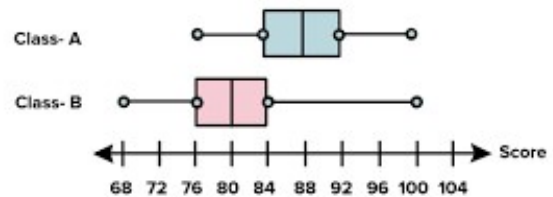
29. A set of data consists of the following numbers:

40, 76, 77, 80, 89, 92

Which measure of central tendency best represents the data set?

- a. mean
- b. median
- c. mode
- d. range

30. Mr. Nappier wanted to compare assessment scores from 2 of his math classes. So, he created a box and whisker plot using student scores from a recent assessment.



Based on this plot, which statement must be correct.

- a. The mean score for Class B was 80
- b. The range for Class A was greater than Class B's
- c. The median score for Class A was 88
- d. At least one student scored below a 68