

**Answer on Question #61292 – Math – Statistics and Probability**

**Question**

If value of x-bar is 70 and mu of sampling distribution is 15 with standard deviation is 20, then standard normal variable is?

**Solution**

Z-score is

$$Z = \frac{\bar{x} - \mu_{\bar{x}}}{\sigma_{\bar{x}}} = \frac{70 - 15}{20} = 2.75.$$

**Answer: 2.75.**