

STAT 200 Algebra Self-Assessment

1. $(3 + 2)^2 =$

2. $\frac{6+6+4+4}{4} =$

3. $\frac{10-6}{4} =$

4. $\frac{15}{6-1} =$

5. $\frac{(2+2)^2}{8} =$

6. $\frac{3}{5}(5) + \frac{2}{5}(10) =$

7. $\sqrt{81} =$

8. $\sqrt{\frac{(5-5)^2+(6-5)^2+(4-5)^2}{3}} =$

Use the following values for 9-12: $x_1 = 2, x_2 = 3, x_3 = 5, x_4 = 6$

9. $\sum x_i =$

10. $\sum x_i^2 =$

11. $\frac{\sum x_i}{4} =$

12. $\sum(x_i - 1)$

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Use the following five values for X: 4,5,6,6,7, for questions 13-16.

13. $\sum X_i$

14. $\sum X_i^2$

15. $(\sum X_i)^2$

16. $\sum(X_i - 4)^2$

17. $3! =$

18. $7! =$

19. $0! =$

20. $\frac{5!}{3!(5-3)!} =$

21. $\frac{4!}{0!(4-0)!} =$