

Homework #8 Answer Key

1. $f\left(\frac{4i}{n}\right) = \frac{24i}{n} + 5$

2. $f\left(-2 + \frac{3i}{n}\right) = \frac{18i}{n} - 7$

3. $f\left(\frac{4i}{n}\right) = \frac{16i^2}{n^2} - \frac{24i}{n} - 7$

4. $f\left(5 + \frac{2i}{n}\right) = \frac{4i^2}{n^2} + \frac{8i}{n} - 12$

5. $f\left(\frac{3i}{n}\right) = \frac{9i^2}{n^2} - \frac{15i}{n} - 4$

6. $f\left(-4 + \frac{5i}{n}\right) = \frac{25i^2}{n^2} - \frac{65i}{n} + 32$

7. 8

★ Limit of Constant equals the Constant

8. 0

9. 0

10. 1

11. 2

12. 1

13. 4

14. 3

15. 3

16. 5

17. -31

18. -8