

## Answers to Classwork Factor and Remainder Theorem

1. 34

2. -316

3. 0

4. 11

5. 174

6. Yes, it is a zero

7. No, it is **not** a zero

8. No, it is **not** a zero

9. No, it is **not** a factor

10. No, it is **not** a factor

11.  $(x - 2)(3x + 1)(x - 1)$

12.  $(x + 5)^2(2x + 3)(x - 1)$

13.  $(4x + 3)(x - 1)^3$