

Answer

$$1. x^3 + 6x^2 + 12x + 8$$

$$2. x^2 - 4$$

$$3. x^3 - 8$$

$$4. 4x^2 - 4x + 1$$

$$5. x^2 - 2x + 1$$

$$6. \frac{3}{2}$$

$$7. (x^2 + 1)(x + 1)(x^2 - x + 1)$$

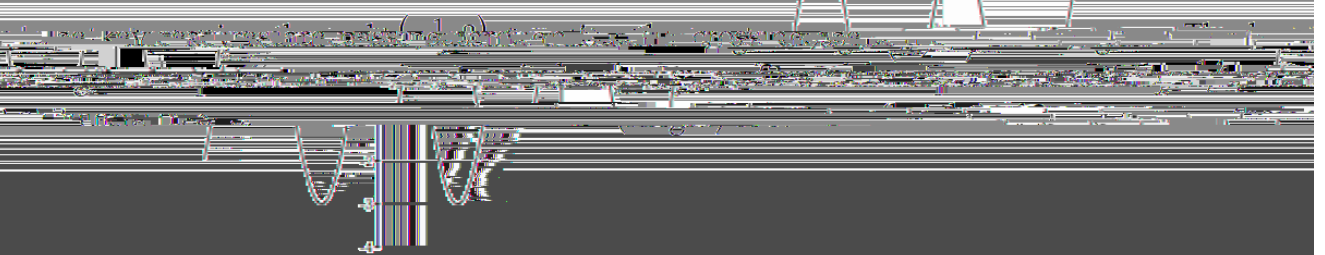
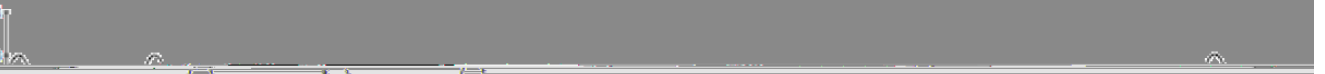
$$8. 25\sqrt{3}$$

$$9. \frac{1}{2}(\sqrt{3} + 1)$$

$$10. \frac{72}{7}$$

$$12. (a) \frac{1}{5} (b) 0 (c) 1$$

$$13. \frac{1}{12} \left(\frac{1}{12} + \frac{1}{12} \right) = \frac{1}{6}$$



$$15. \frac{\sqrt{5} + 1}{2}$$

