ESSENTIAL PRACTICE for FINDING Max/Min VALUES.

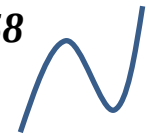
1. $y = x^2 - 6x + 8$

2. $y = x^2 + 10x + 9$

3. $y = x^2 - 5x + 11$

4. $y = x^3 - 3x^2 - 45x + 26$

5. $y = x^3 - 6x^2 - 36x + 58$

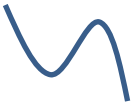


6. $y = x^3 - x^2 - 21x + 78$

7. $y = x^3 + 2x^2 - 7x + 98$

8. $y = 4x^3 - 24x^2 - 144x + 4$

9. $y = -x(x - 6)^2$



10. $y = x(x + 3)^2$

11. $y = x^2(x - 6)$
$= x^3 - 6x^2$

12. $y = \frac{1}{3}x^3 + \frac{1}{2}x^2 - 12x + 9$

13. $y = 4x^2 - \frac{2}{3}x^3$