Area under a curve

Name _____ Date _____

1. the area under $y = 3x^2 - 2x + 9$ from $x = 2$ to $x = 4$: _____

2. the area under $y = 3x^2 + 4x + 2$ from $x = 1$ to $x = 5$: _____

3. the area under $y = 2x^2 - x + 9$ from $x = 0$ to $x = 4$: _____

4. the area under $y = 3x^2 + 3$ from $x = 1$ to $x = 4$: _____

5. the area under $y = 3x^2 + 7$ from $x = 0$ to $x = 5$: _____

6. the area under $y = x^2 + 9$ from $x = 1$ to $x = 3$: _____

Area under a curve

7. the area under $y = 2x^2 + 4x + 4$ from $x = 1$ to $x = 3$: _____

8. the area under $y = x^2 + 8$ from $x = 0$ to $x = 4$: _____

9. the area under $y = 2x^2 + 2x + 3$ from $x = 1$ to $x = 4$: _____

10. the area under $y = x^2 - 2x + 2$ from $x = 2$ to $x = 5$: _____

11. the area under $y = 3x^2 + 2$ from $x = 0$ to $x = 3$: _____

12. the area under $y = x^2 + 4x + 3$ from $x = 2$ to $x = 5$: _____