

For each problem, find the slope of the function at the given value.

Then write the equations of the Tangent & Normal lines

1) $y = -\frac{x^2}{2} - x + \frac{11}{2}$ at $x = -3$

2) $y = x^2 + 2x + 2$ at $x = -3$

3) $y = \frac{x^2}{2} - 2x + 4$ at $x = 0$

4) $y = \frac{x^2}{2} + 3x + \frac{5}{2}$ at $x = 0$

Roll 2 Dice, record the # of DITS.

Repeat 5 Times,

Complete those 6 ~~more~~ exercises.

Show a limit expression at least once.

I'll do this one
as a refresher

5) $y = -2x^2 - 12x - 17$ at $x = -3$

6) $y = 2x^2 + 4x - 3$ at $x = -2$

7) $y = \frac{x^2}{2} - 2x - 2$ at $x = -1$

8) $y = 2x^2 + 12x + 18$ at $x = -3$

9) $y = -x^2 + 4x$ at $x = 3$

10) $y = -x^2 + 5$ at $x = 0$

11) $y = -2x^2 + 6$ at $x = 2$

12) $y = x^2 - 6x + 10$ at $x = 2$

13) $y = -\frac{3}{x-3}$ at $x = 1$

