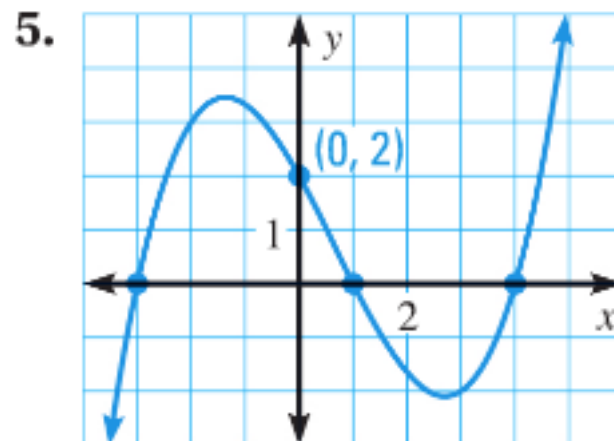
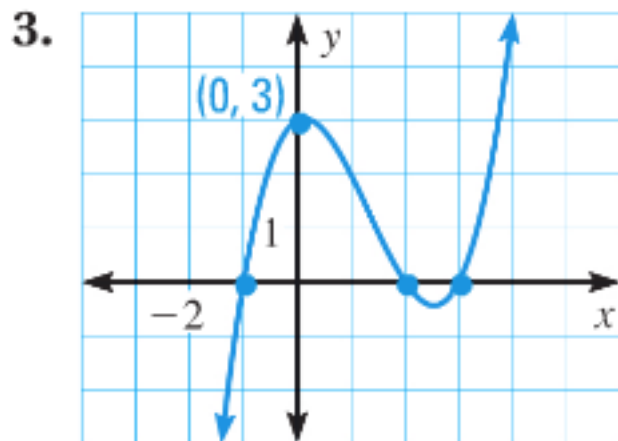


Homework

p. 397: 3, 5, 6, 7, 10

WRITING CUBIC FUNCTIONS Write the cubic function whose graph is shown.



CUBIC MODELS Write a cubic function whose graph passes through the points.

6. $(-3, 0), (-1, 10), (0, 0), (4, 0)$

7. $(-2, 0), (-1, 0), (0, -8), (2, 0)$

10. **★ MULTIPLE CHOICE** Which cubic function's graph passes through the points $(-3, 0), (-1, 0), (3, 0)$, and $(0, 3)$?

Ⓐ $f(x) = (x - 3)(x + 3)(x - 1)$

Ⓑ $f(x) = -\frac{1}{3}(x - 3)(x + 3)(x + 1)$

Ⓒ $f(x) = -2(x - 3)(x + 3)(x - 1)$

Ⓓ $f(x) = (x - 3)(x + 3)(x + 1)$