

[Submitting HW Tips](#)**HW #3**

1 If $y(x)$ satisfies $x \frac{dy}{dx} + 6y = 3xy^{\frac{4}{3}}$ ($x > 0$) and $y(1) = -1$, then what is $y(2)$?

2 **Section 2.3:** #1, 2, 16(a)(b), 17(a)(b).

3 **Section 2.4:** #1, 2, **6**, 9, 21.



Also, sketch the “safe” regions in the (t, y) -plane for this one.