

Find dy/dx for

$$y = 5x^2 \sqrt{x+1}$$

a.

$$y = 5x(x+1)^{\frac{1}{2}}$$

b.

$$y = 5x^2(x+1)^{\frac{1}{2}} + \frac{10x}{2\sqrt{x+1}}$$

c.

$$y = \frac{5x^2}{2\sqrt{x+1}} + 10x(x+1)^{\frac{1}{2}}$$

d.

$$y = \frac{5x^2}{2}(x+1)^{-\frac{1}{2}} - 10(x+1)^{\frac{1}{2}}$$