

1.  $y = -7x^2$ , so

$$\begin{aligned}y' &= 2 \times (-7x^{2-1}) \\ &= -14x\end{aligned}$$

2.  $y = -5x^2$ , so

$$\begin{aligned}y' &= 2 \times (-5x^{2-1}) \\ &= -10x\end{aligned}$$

3.  $y = 8x^2$ , so

$$\begin{aligned}y' &= 2 \times 8x^{2-1} \\ &= 16x\end{aligned}$$