

(25)

$$\frac{dy}{dx} = 2x - 2$$

$$\frac{dy}{du} = \frac{dy}{dx} \cdot \frac{dx}{du}$$

$$\frac{du}{dx} = 2$$

$$\frac{dx}{du} = \frac{1}{2}$$

$$\frac{dy}{du} = 2x - 2 \cdot \frac{1}{2} = x - 1$$

(D)

$$\begin{aligned} \textcircled{26} \quad \frac{1}{1+x} \cdot \frac{d}{dx}(\sqrt{x}) &= \frac{1}{1+x} \cdot \frac{d}{dx} x^{1/2} \\ &= \frac{1}{1+x} \cdot \frac{1}{2} x^{-1/2} = \frac{1}{(1+x)(2)\sqrt{x}} \quad \textcircled{A} \end{aligned}$$