Implicit Functions Find The Error

In finding the derivative of each of the following implicit functions there is an ERROR! Determine on which line the error occurs.

Find $\frac{dy}{dx}$ given: $3x - 2xy = 7y$

(1) $3 - 2y + 2x\frac{dy}{dx} = 7\frac{dy}{dx}$

(2) $3 - 2y = 7\frac{dy}{dx} - 2x\frac{dy}{dx}$

(3) $3 - 2y = (7 - 2x)\frac{dy}{dx}$

(4) $\frac{dy}{dx} = \frac{3 - 2y}{7 - 2x}$

Find $\frac{dy}{dx}$ given: $2xy^3 + 2x = y - 2$

(1) $2y^3 + 2x3y^2 \frac{dy}{dx} + 2 = \frac{dy}{dx}$

(2) $2y^3 + 2 = \frac{dy}{dx} - 2x3y^2 \frac{dy}{dx}$

(3) $2y^3 + 2 = \frac{dy}{dx} - 6xy^2 \frac{dy}{dx}$

(4) $\frac{dy}{dx} = \frac{2y^3 + 2}{-6xy^2}$

Find $\frac{dy}{dx}$ given: $(5-3y)^4 = x^3 - 2$

(1) $4(5-3y)^3(-3\frac{dy}{dx}) = 3x^2$

(2) $-3\frac{dy}{dx} = 3x^2 - 4(5-3y)^3$

(3) $\frac{dy}{dx} = -\frac{3x^2 - 4(5-3y)^3}{3}$

Find $\frac{dy}{dx}$ given: $5x = (2x + y)^4$

(1) $5 = 4(2x + y)^3 \cdot 2 + \frac{dy}{dx}$

(2) $5 = 8(2x + y)^3 + \frac{dy}{dx}$

(3) $\frac{dy}{dx} = 5 - 8(2x + y)^3$

Find $\frac{dy}{dx}$ given: $\sqrt{y-1} = x^4 - 1$

(1) $\frac{1}{2}(y-1)^{-\frac{1}{2}}(\frac{dy}{dx}) = 4x^3$

(2) $(2y-1)^{-\frac{1}{2}}(\frac{dy}{dx}) = 8x^3$

(3) $\frac{dy}{dx} = \frac{8x^3}{(2y-1)^{\frac{1}{2}}}$