Implicit differentiation practice

Find the derivative with respect to x for each of the following expressions:

Set 0

(1) x

(2) y

(3) $-2x$

(4) $-2y$

(5) $x+y$

(6) $x-\dfrac{y}{2}$

Set I

(1) x^2

(2) y^2

(3) x^2+y

(4) xy

(5) e^x

(6) e^y

(7) $\sin(y)$

(8) $x\sin(y)$

(9) $\tan(y)$

Set II

(1) $x^2 y$

(2) xy^2

(3) e^{xy}

(4) $\sin(xy)$

(5) $\sin(y^2)$

(6) $\sin\dfrac{x}{y}$

(7) $\dfrac{\sin(x)}{y}$

(8) $\dfrac{\sin(y)}{x}$

(9) $e^{\sin y}$