

$$1) \quad (\lambda x. 2^*x + 1) 3$$

$$2^*3+1$$

$$7$$

$$2) \quad (\lambda xy. x-y) 5 7$$

$$5-7$$

$$-2$$

$$3) \quad (\lambda yx. x-y) 5 7$$

$$7-5$$

$$2$$

$$4) \quad (\lambda xy. x-y) (\lambda z. z/2)$$

$$(\lambda y. (\lambda z. z/2) - y)$$

$$(\lambda yz. (z/2) - y)$$

$$5) \quad (\lambda xy. x-y) ((\lambda z. z/2) 6) 1$$

$$(\lambda xy. x-y) (6/2) 1$$

$$(\lambda xy. x-y) 3 1$$

$$3-1$$

$$2$$

$$6) \quad (\lambda x. \lambda y. - x y) 9 4$$

$$- 9 4$$

$$5$$

$$7) \quad (\lambda x. x x) (\lambda y. y)$$

$$(\lambda y. y) (\lambda y. y)$$

$$(\lambda y. yy)$$