

$$= 0,09 \text{ моль}$$

$$M(C_6H_5OH) = 72 + 5 + 16 + 1 = 94 \text{ г/моль}$$

$$m(C_6H_5OH) = n \cdot M = 0,09 \text{ моль} \cdot 94 \text{ г/моль} = 8,46 \text{ г}$$

$$m(\text{амин}) = n(\text{анилин}) - m(C_6H_5OH) = 15,95 \text{ г} - 8,46 \text{ г} =$$

$$= 7,49 \text{ г}$$

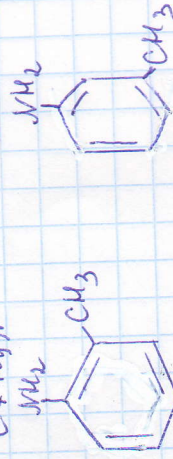
$$M(\text{амин}) = \frac{m}{n} = \frac{7,49 \text{ г}}{0,07 \text{ моль}} = 107 \text{ г/моль}$$



$$12x + y + 14 = 107$$

$$12x + y = 93$$

$$x = 7; y = 9$$



орто-

мет-

2)

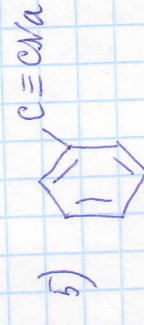
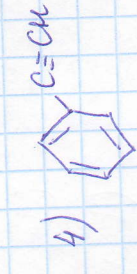
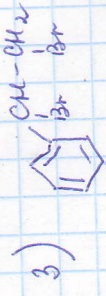
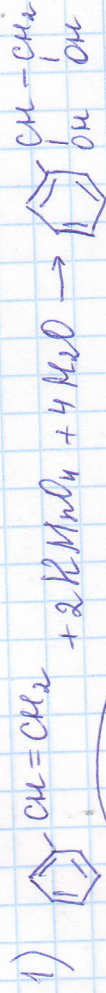
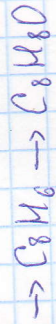
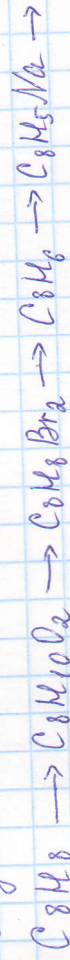


метиланилин



+

Задание 3.



85

405