

Задача 1

Мат - 11-03.

$$abcd(a^2-b^2)(a^2-c^2)(a^2-d^2)(b^2-c^2)(b^2-d^2)(c^2-d^2) = a^2-b^2 = (a-b)(a+b)$$

$$0, 1, 2, 4.$$

$$a^2, b^2, c^2, d^2$$

остаток: 1, 2, 3 (остаток 0 не берем).

Задача 2.

$$FB \parallel AB$$

$$AB = 5 \text{ в } 2 \text{ р. } \angle BC = 10 \quad 5-a$$

$$\triangle CEF = \triangle CBA$$

$$BH = EF = a$$

$$EC = 2a$$

$$BE = a$$

$$BD = 4a = 10 - 3a$$

$$AH = 5 - a$$

$$AG = AB = 5$$

по теореме Пифагора AGH

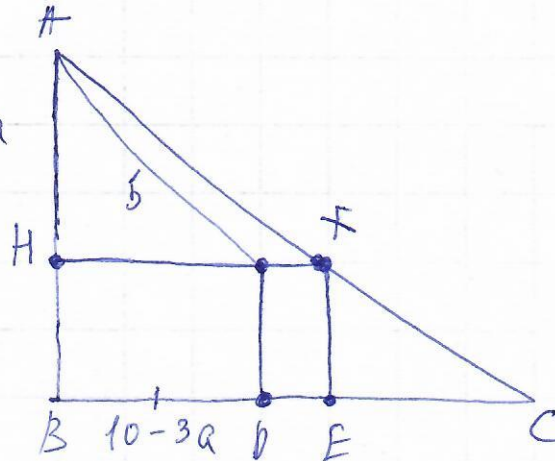
$$(5-a)^2 + (10-3a)^2 = 25$$

$$a_1 = 2, a_2 = 5$$

$$5 = AB = EF = a$$

$$b \quad EF = 2$$

$$S = 4$$



ОТВ: 4.