

21. 09. 2020.

ПРИМЕНА СЛИЧНОСТИ
НА ПРАВОУГЛИ ТРОУГАО
- УТВРЂИВАЊЕ -

ЗАД. (34.)

а) $a = 25 \text{ cm}$
 $p = 20 \text{ cm}$

$$a^2 = c \cdot p$$
$$25^2 = c \cdot 20$$
$$625 = c \cdot 20$$
$$c = 625 : 20$$
$$c = 31,25$$

$$c = p + q$$
$$q = c - p$$
$$q = 31,25 - 20$$
$$q = 11,25$$

$b = ?$ $c = ?$ $h = ?$ $q = ?$

$$b^2 = c \cdot q$$
$$b^2 = 31,25 \cdot 11,25$$
$$b^2 = 351,625$$
$$b = \sqrt{351,625}$$

$$h^2 = p \cdot q$$
$$h^2 = 20 \cdot 11,25$$
$$h^2 = 225$$
$$h = \sqrt{225}$$

б) $a = 32 \text{ cm}$
 $b = 24 \text{ cm}$

$c = ?$ $p = ?$ $q = ?$ $h = ?$

в) $a = 10 \text{ cm}$
 $c = 26 \text{ cm}$

$b = ?$ $p = ?$ $q = ?$ $h = ?$