Bellwork

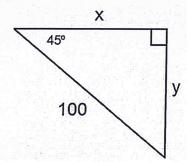
Alg 2

Tuesday, March 17, 2020

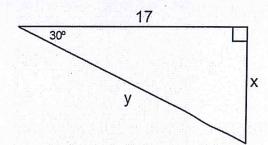
- 1. Write each in exponential form:
- a) $\log_x 3 = 100$
- b) $\log 40 = x$
- c) $\ln x = 8$

Find the EXACT value of each variable. Give answers in simplified radical form. Make sure all denominators are rationalized.

2.



3.



- 1. Write each in exponential form:
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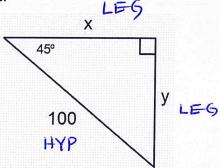
$$\sqrt{\chi^{100}} = 3$$

$$\sqrt{10^{\times} = 40}$$

$$e^{8} = x$$

Find the EXACT value of each variable. Give answers in simplified radical form. Make sure all denominators are rationalized.

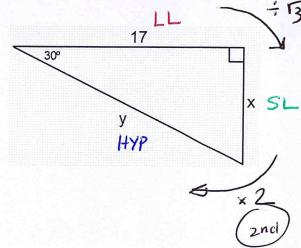
2.



$$X=Y=\frac{HYP}{VZ}$$

$$= \frac{100\sqrt{2}}{2}$$

3.



$$SL = \frac{LL}{Y_3} = \frac{17}{Y_3} \cdot \frac{13}{13}$$

$$SL = \frac{1773}{3}$$

$$\frac{2nd \quad Find \quad HYP}{HYP} = SL \cdot 2$$

$$= \frac{173}{3} \cdot 2$$

$$HYP = \frac{3473}{3}$$