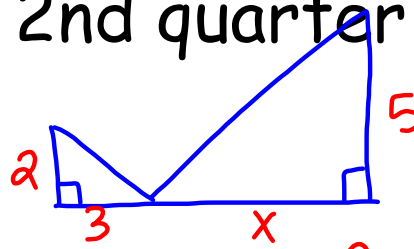


Questions on Lesson 4.6?

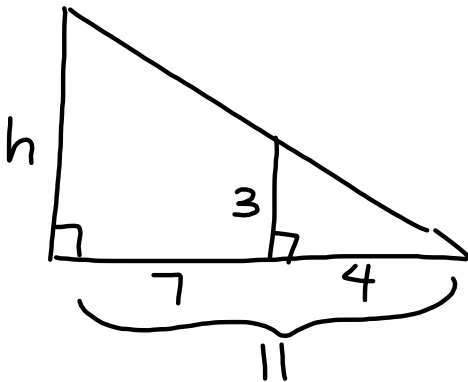
We'll be taking our first content mastery quiz of 2nd quarter in a few minutes.



$$\frac{5}{x} = \frac{2}{3} \quad \text{-OR-} \quad \frac{2}{5} = \frac{3}{x}$$

$$\frac{2x}{2} = \frac{15}{2}$$

$$x = 7.5$$

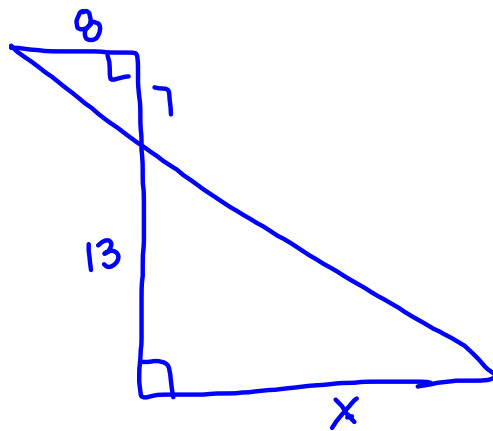


$$\frac{3}{h} = \frac{4}{11}$$

$$\frac{4h}{4} = \frac{33}{4}$$

$$h = 8.25$$

$$\frac{h}{11} = \frac{3}{4}$$



$$\frac{7}{8} = \frac{13}{x}$$

-OR-

$$\frac{8}{x} = \frac{7}{13}$$

$$7x = 8 \cdot 13$$

$$x = \frac{104}{7}$$

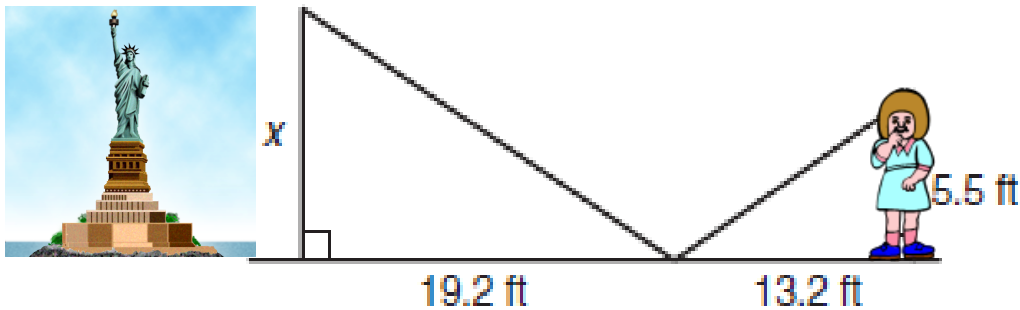
$$x = 14.85$$

Content Mastery Quiz - Lesson 4.6

Show ALL work to receive full credit

Keisha is visiting a museum. She wants to know the height of one of the sculptures. She places a small mirror on the ground between herself and the sculpture, then she backs up until she can see the top of the sculpture in the mirror.

What is the height of the sculpture?



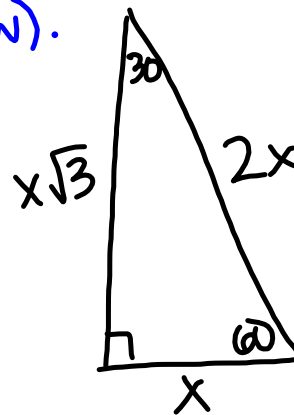
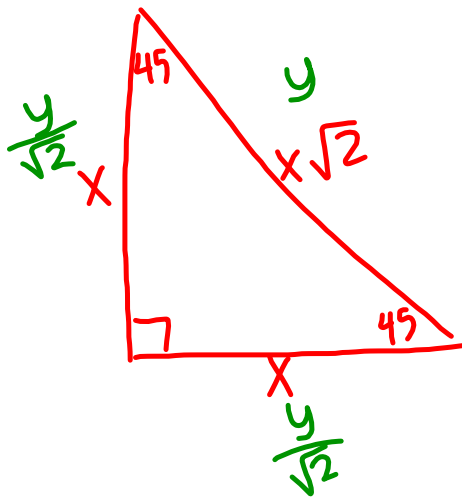
Homework/Classwork

Chapter 3 & 4 Review

-due next class (~~Friday~~ 11/6)

Mon 11/9

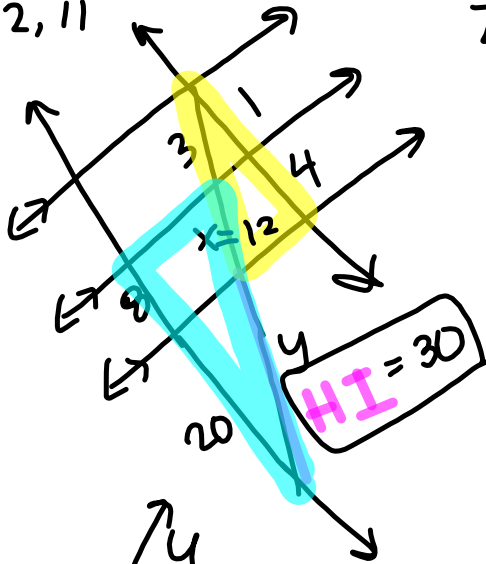
- You may use your textbook & your notes on your test (no review).



Test Review

5, 10, 12, 11

(5)



$$\frac{1}{4} = \frac{3}{x}$$

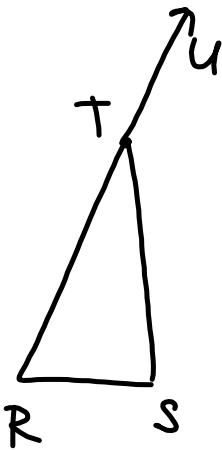
$$x = 12$$

$$\frac{20}{8} = \frac{y}{12}$$

$$8y = \frac{240}{8}$$

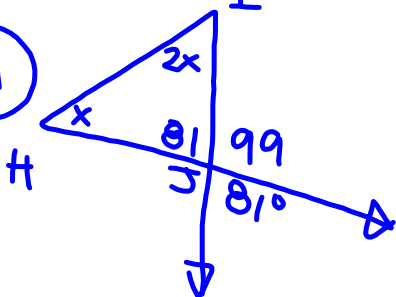
$$y = 30$$

(10)



Interior \angle s : $\angle R, \angle S, \angle RTS$
 Exterior \angle s : $\angle UTS$
 Remote Interior \angle s : $\angle R, \angle S$

(11)



$$x + 2x + 81 = 180$$

$$3x + 81 = 180$$

$$\begin{array}{r} 3x + 81 = 180 \\ -81 \quad -81 \\ \hline 3x = 99 \end{array}$$

$$\frac{3x}{3} = \frac{99}{3}$$

$$x = 33$$

Δ sum Thm.

$$x + 2x = 99 \quad \text{Ext. } \angle \text{ Thm}$$

$$3x = 99$$

$$x = 33$$

$$48 + 68 + 2x + 4 = 180$$

(12)

