Warm-up 1/24/17

1. How many centimeters are in 1 meter?

100

2. What ratio equal to 1 represents meters to centimeters?

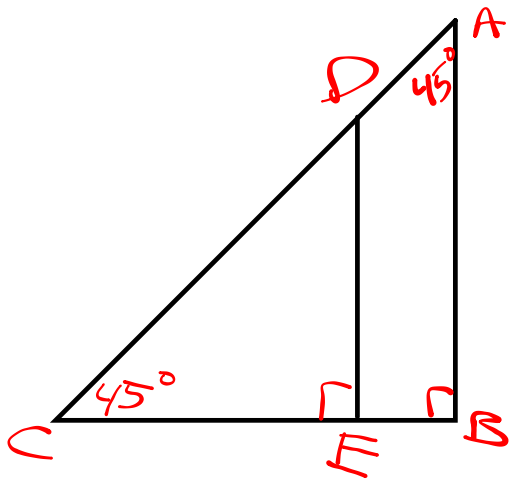
$\frac{1\text{ m}}{100\text{ cm}}$

3. Use the ratio in question 2 to convert 520 centimeters to meters.

$\frac{1\text{ m}}{100\text{ cm}} \cdot 520\text{ cm} = \frac{520}{100}\text{ m} = 5.2\text{ m}$

Pg. 568-570

1.



4. $\frac{\text{opp.}}{AB}$ $\frac{\text{adj.}}{BC}$ $\frac{\text{hyp.}}{AC}$

5. $\frac{\text{opp.}}{\text{hyp.}} = \frac{106}{151} \approx .701$

$\frac{\text{adj.}}{\text{hyp.}} = \frac{106}{151} \approx .701$

$\frac{\text{opp.}}{\text{adj.}} = \frac{106}{106} = 1$

$AB = 106\text{ mm}$

$BC = 106\text{ mm}$

$CA = 151\text{ mm}$

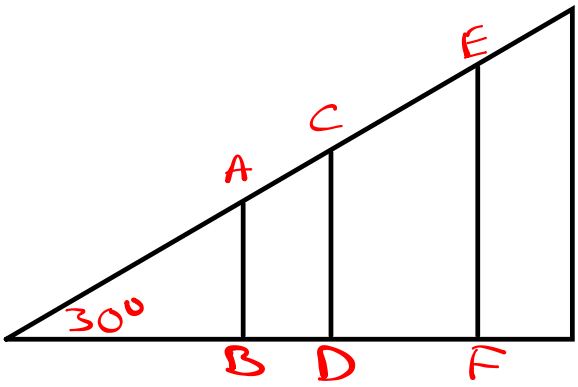
Pg. 574-575
1-3

$\triangle PQR$

opp. P = 63

adj. P = 108

hyp. = 124

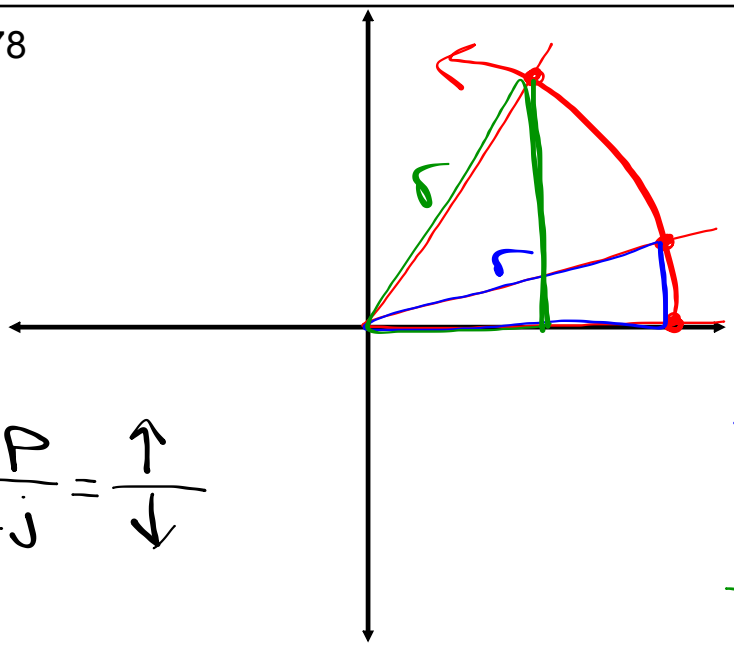


$\frac{opp.}{hyp.} = \frac{63}{124} \approx .508$

$\frac{adj.}{hyp} = \frac{108}{124} \approx .87$

$\frac{opp}{adj} = \frac{63}{108} \approx .583$

Pg. 578



$\frac{opp}{adj} = \frac{\uparrow}{\downarrow}$

$\frac{opp.}{r}$

$\frac{opp.}{r}$