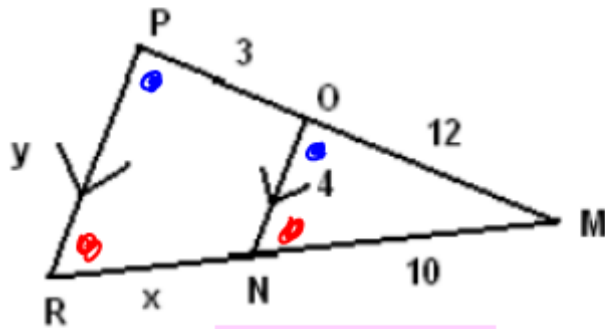


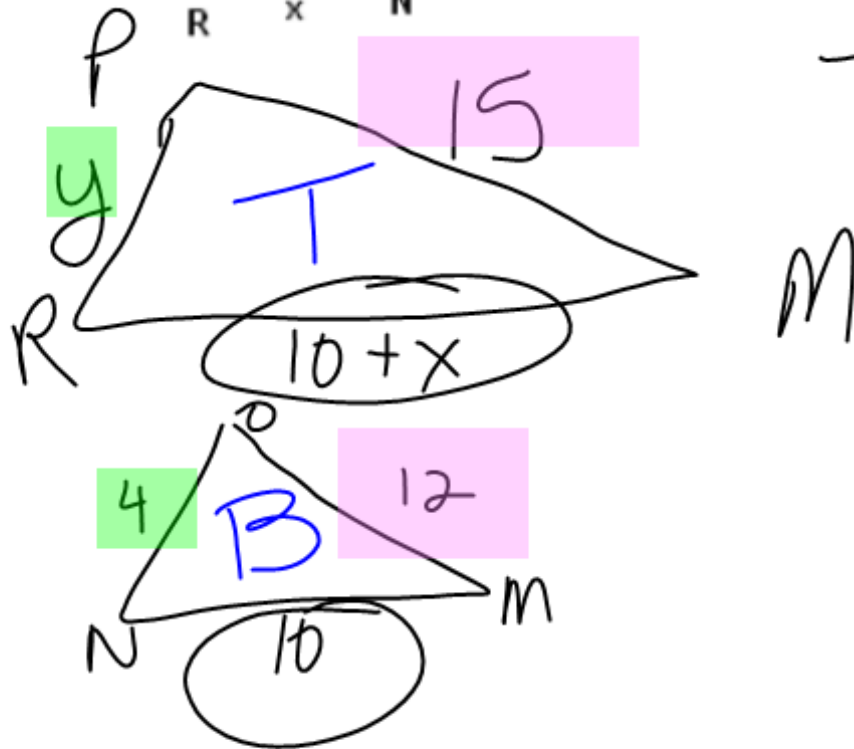
In each of the following problems, solve for the value of the variable(s):

[EX]



$$\frac{15}{12} = \frac{y}{4} \rightarrow 12y = 60$$

$$y = 5$$



$$\frac{15}{12} = \frac{10+x}{10}$$

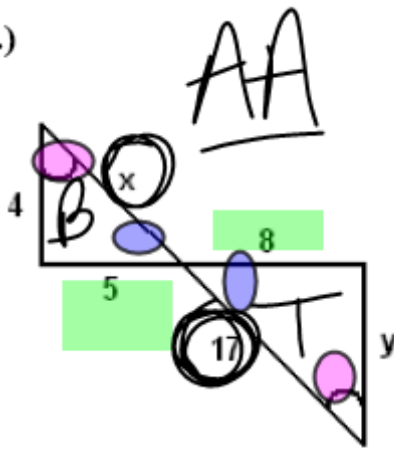
$$150 = 12(10+x)$$

$$150 = 120 + 12x$$

$$30 = 12x$$

$$2.5 = x$$

1.)



$$x = \frac{10.625}{6.4}$$

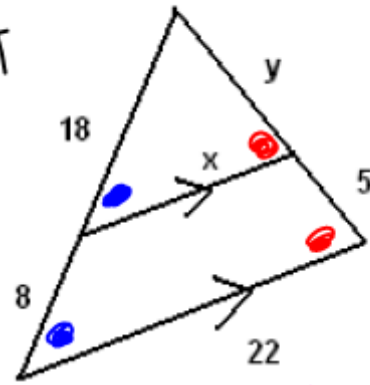
$$\frac{8}{5} = \frac{y}{4} \rightarrow 32 = 5y$$

$$6.4 = y$$

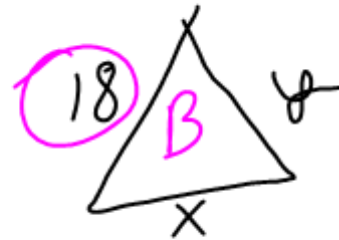
$$\frac{8}{5} = \frac{17}{x} \rightarrow 8x = 85$$

$$x = 10.625$$

2.)
AA



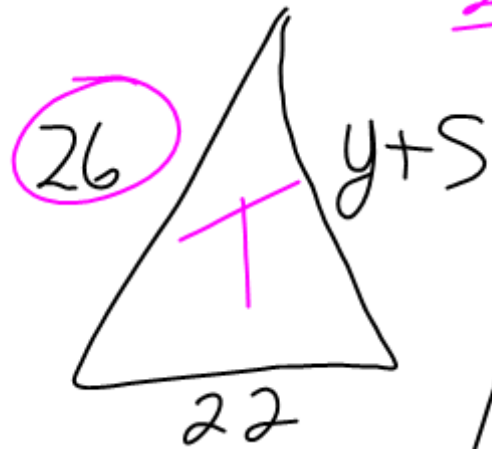
$$x = \frac{15.23}{11.25}$$



$$\frac{26}{18} = \frac{22}{x}$$

$$26x = 396$$

$$x = 15.23$$



$$\frac{26}{18} = \frac{y+5}{y}$$

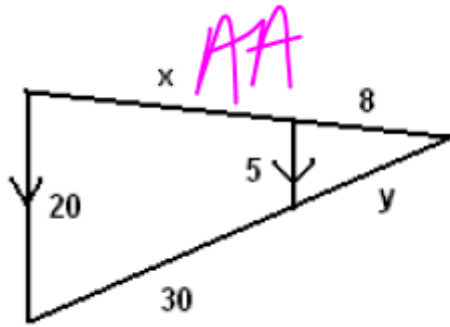
$$26y = 18(y+5)$$

$$26y = 18y + 90$$

$$8y = 90$$

$$y = 11.25$$

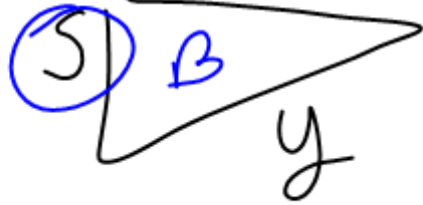
3.)



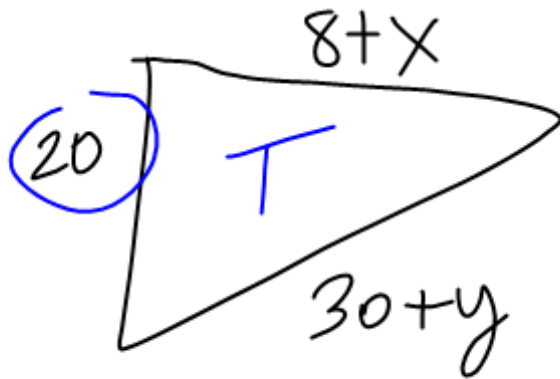
$$x = \frac{24}{8}$$

$$y = \frac{10}{8}$$

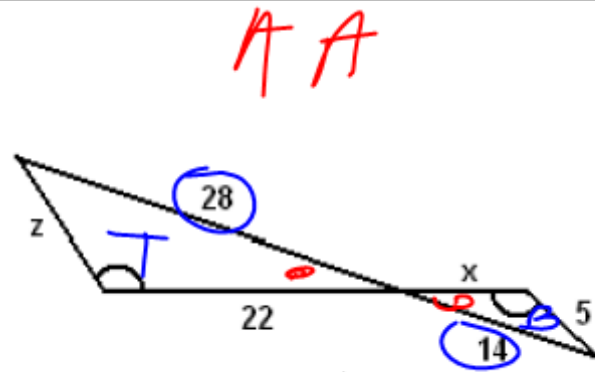
$$\frac{20}{5} = \frac{30+y}{y}$$



$$\frac{20}{5} = \frac{8+x}{8}$$



4.)

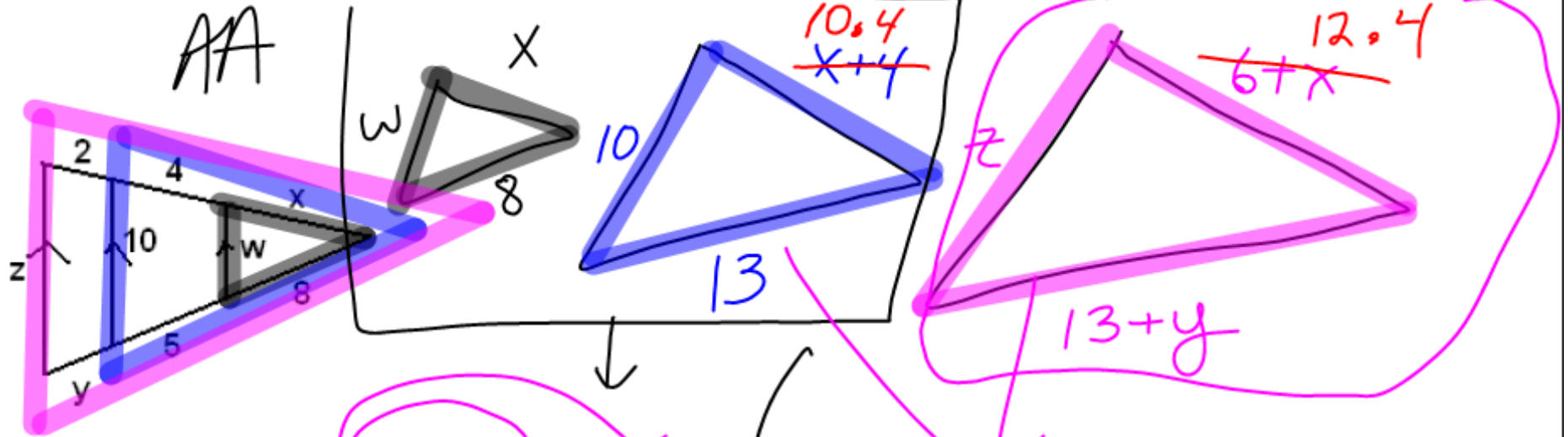


$$x = \frac{11}{10}$$

$$\frac{28}{14} = \frac{z}{5}$$

$$\frac{28}{14} = \frac{22}{x}$$

7.)



$$w = \frac{6.15}{1}$$

$$x = \frac{6.4}{1}$$

$$y = \frac{2.5}{1}$$

$$z = \frac{11.92}{1}$$

$$\frac{13}{8} = \frac{x+4}{x}$$

$$13x = 8x + 32$$

$$5x = 32$$

$$x = 6.4$$

$$\frac{13}{8} = \frac{10}{w}$$

$$13w = 80$$

$$w = 6.15$$

$$\frac{12.4}{10.4} = \frac{z}{10}$$

$$124 = 10.4z$$

$$z = 11.92$$

$$\frac{12.4}{10.4} = \frac{13+y}{13}$$

$$161.2 = 135.2 + 10.4y$$

$$26 = 10.4y$$

$$2.5 = y$$