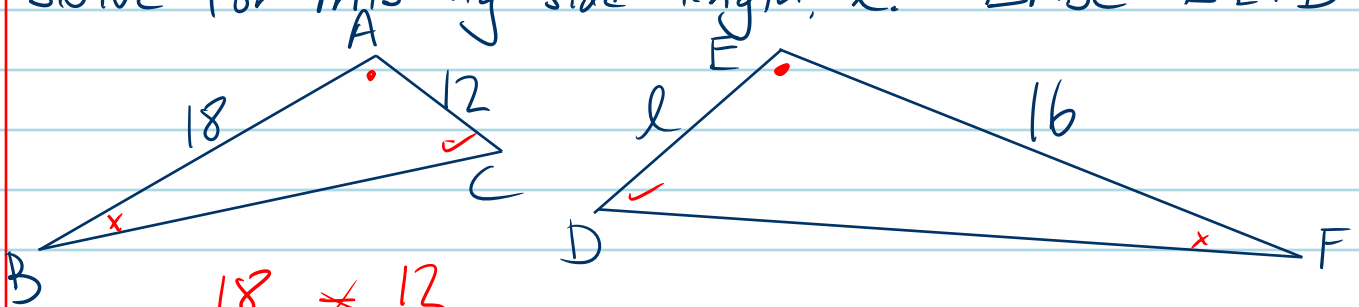


Unit 6 Day 2
6-2 Proportion Equations

May.27th, 2016

1) Solve for missing side length, l . $\triangle ABC \sim \triangle EFD$

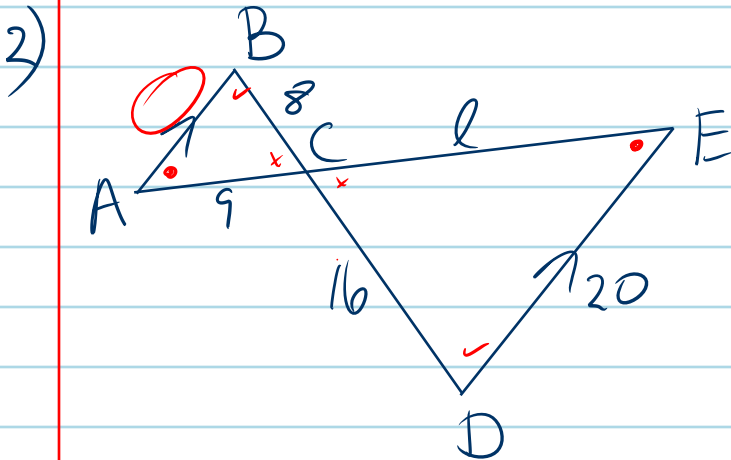


$$\frac{18}{16} \neq \frac{12}{l}$$

$$18l = 12 \cdot 16$$

$$l = \frac{12 \cdot 16 \cdot 8}{18 \cdot 9 \cdot 3} = \frac{32}{3}$$

$$l = \frac{12 \cdot 16}{18} = \frac{32}{3}$$



$$\frac{8}{16} \neq \frac{9}{l} = \frac{20}{?}$$

$$\frac{8l}{8} = \frac{9 \cdot 16 \cdot 2}{8}$$

$$l = 18$$

Unit 6 Day 2 Cont.
6-2 Proportion Equations (II)

Dec. 8, 2015

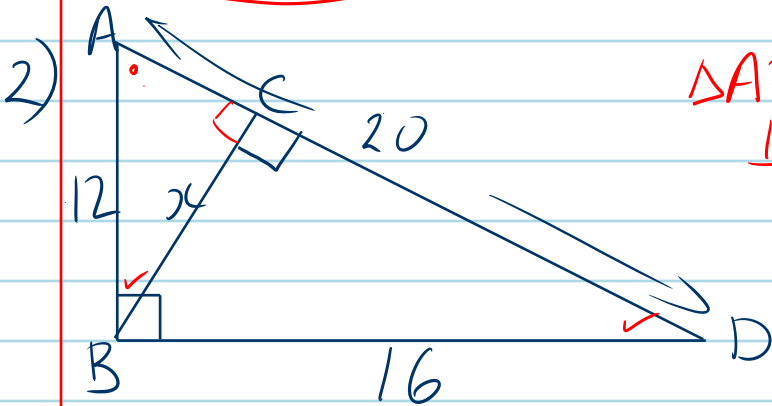
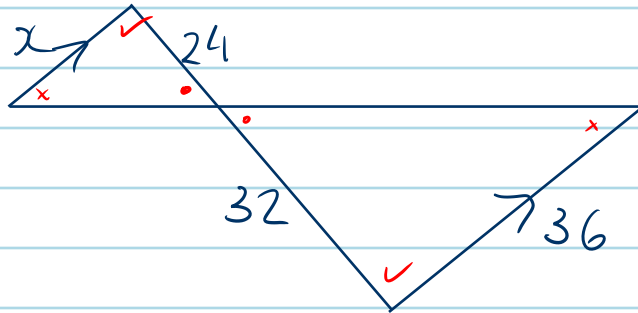
1) Solve for x :

$$\frac{x}{36} = \frac{24}{32}$$

$$\frac{x}{36} \neq \frac{3}{4}$$

$$\frac{4x}{4} = \frac{3 \cdot 36}{4} \cdot 9$$

$$x = 27$$



$$\triangle ABD \sim \triangle ACB$$

$$\frac{16}{x} = \frac{20}{12} = \frac{12}{?}$$

$$\frac{16}{x} = \frac{5}{3}$$

$$5x = 16 \cdot 3$$

$$\frac{5x}{5} = \frac{48}{5}$$

$$x = \frac{48}{5}$$