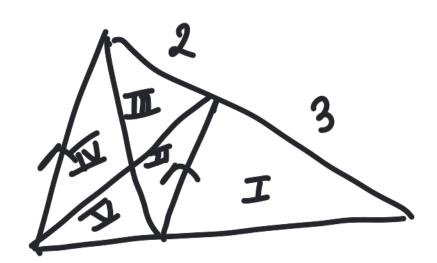
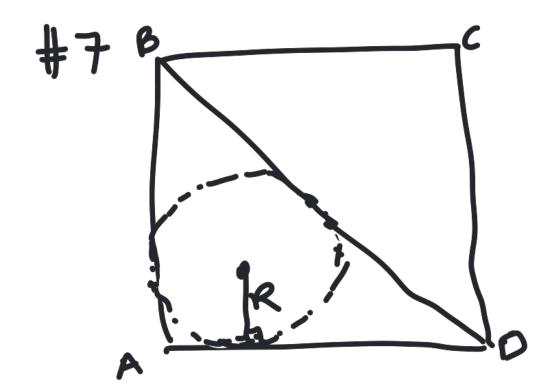
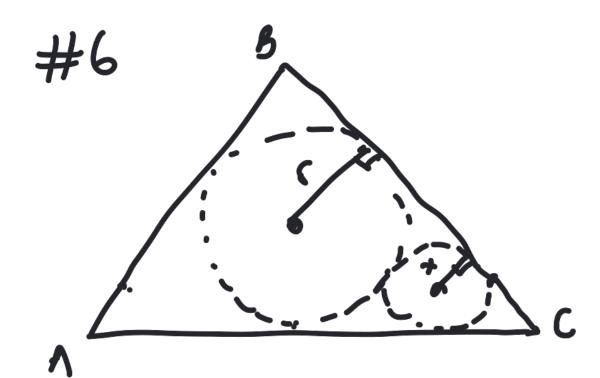
#5





ABCD is a Square
AB = 6 Find R!

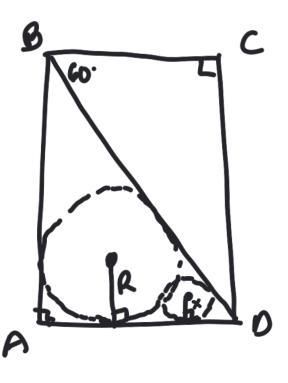


AABC is equilateral

AC = 8

Find r!

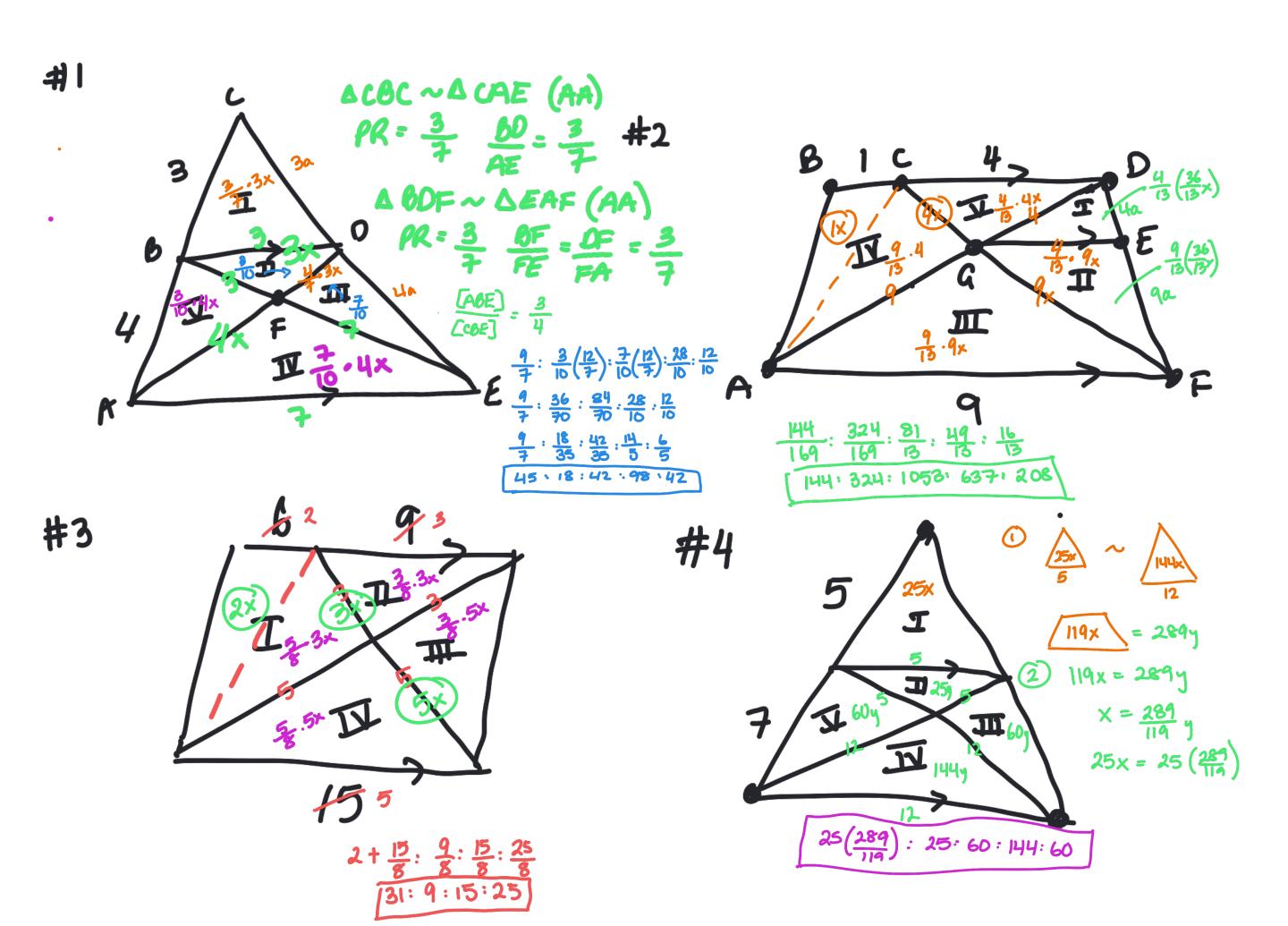
Find x!



ABCD is a Rectangle

AD = 3

Find R! Find X!

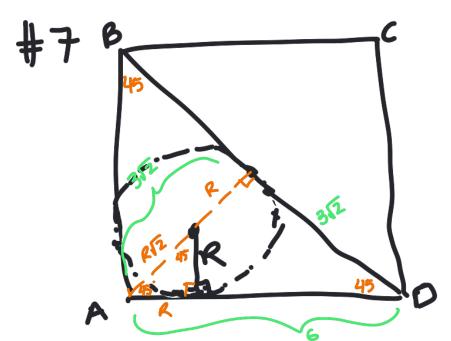


$$\frac{9}{5} \cdot \frac{18}{40} : \frac{6}{8} : \frac{15}{8} : \frac{30}{40}$$

$$\frac{9}{5} : \frac{9}{20} : \frac{3}{4} : \frac{15}{8} : \frac{3}{4}$$

$$72 : 18 : 30 : 75 : 30$$

$$72 : 18 : 30 : 75 : 30$$

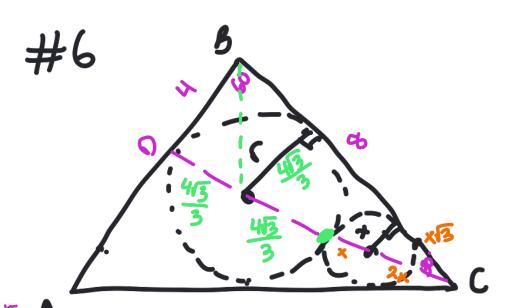


ABCD is a Square
AB = 6 Find R!

$$R\sqrt{2} + R = 3\sqrt{2}$$

$$R(12H) = 3\sqrt{2}$$

$$R = \frac{3\sqrt{2}}{\sqrt{2} + 1} \cdot \frac{\sqrt{2} - 1}{\sqrt{2} - 1}$$



DABC is equilateral

AC = 8

OC = 413

Find
$$x$$
! $413 = 813 + 3x$
 $1213 - 813 = 3x$
 $413 = 3x$
 $413 = 3x$

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ABCD is a Rectangle

$$A0 = 3$$

Find R!

Find X!

$$3-R=R\overline{3}$$

$$3=R\overline{3}+R$$

$$3=R(\sqrt{3}+1)$$

$$R=\frac{3}{\sqrt{3}+1}\cdot\frac{3-1}{\sqrt{3}-1}$$

$$R=\frac{3/3-3}{3-1}=\frac{3/3-3}{2}$$