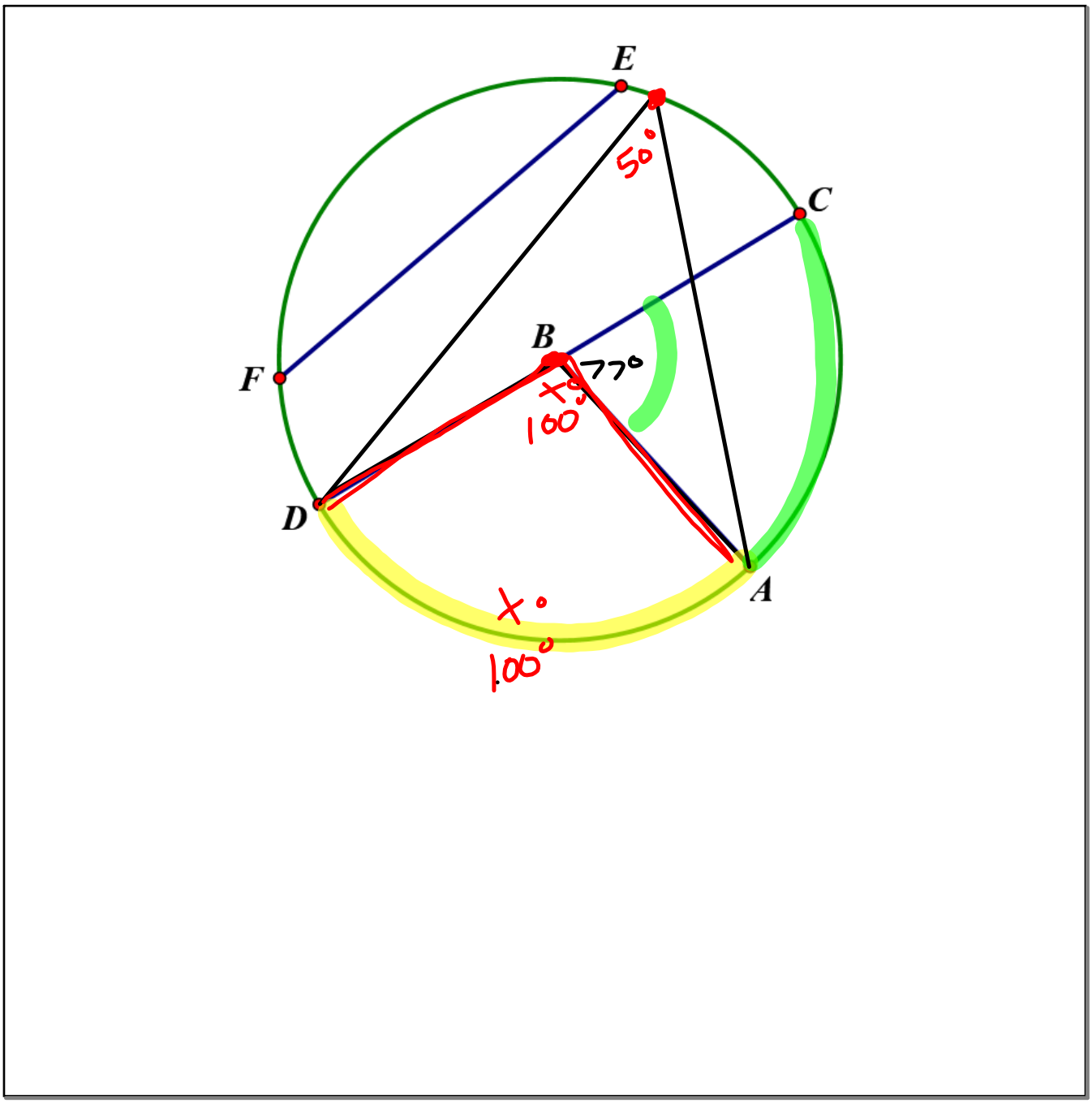
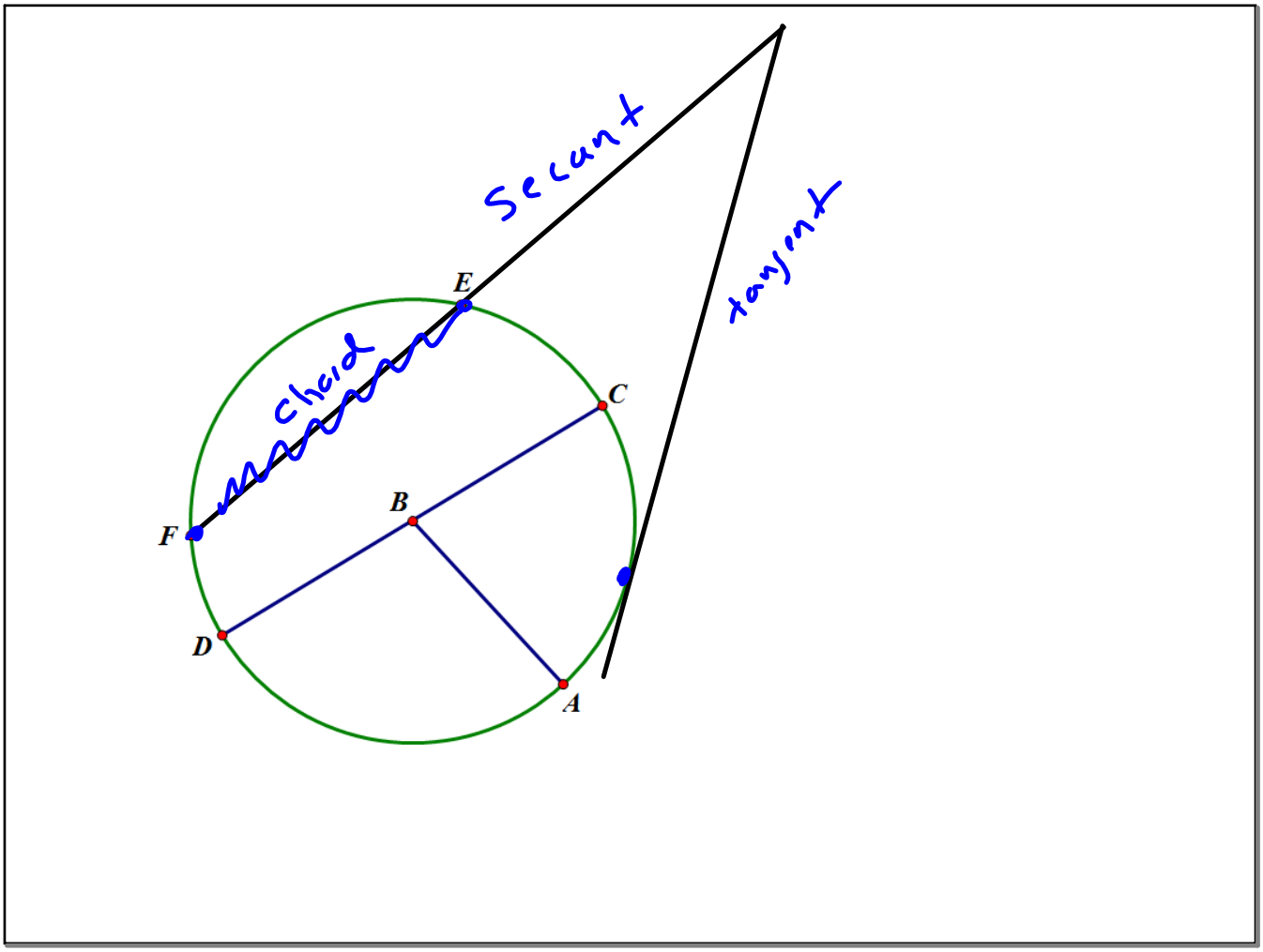
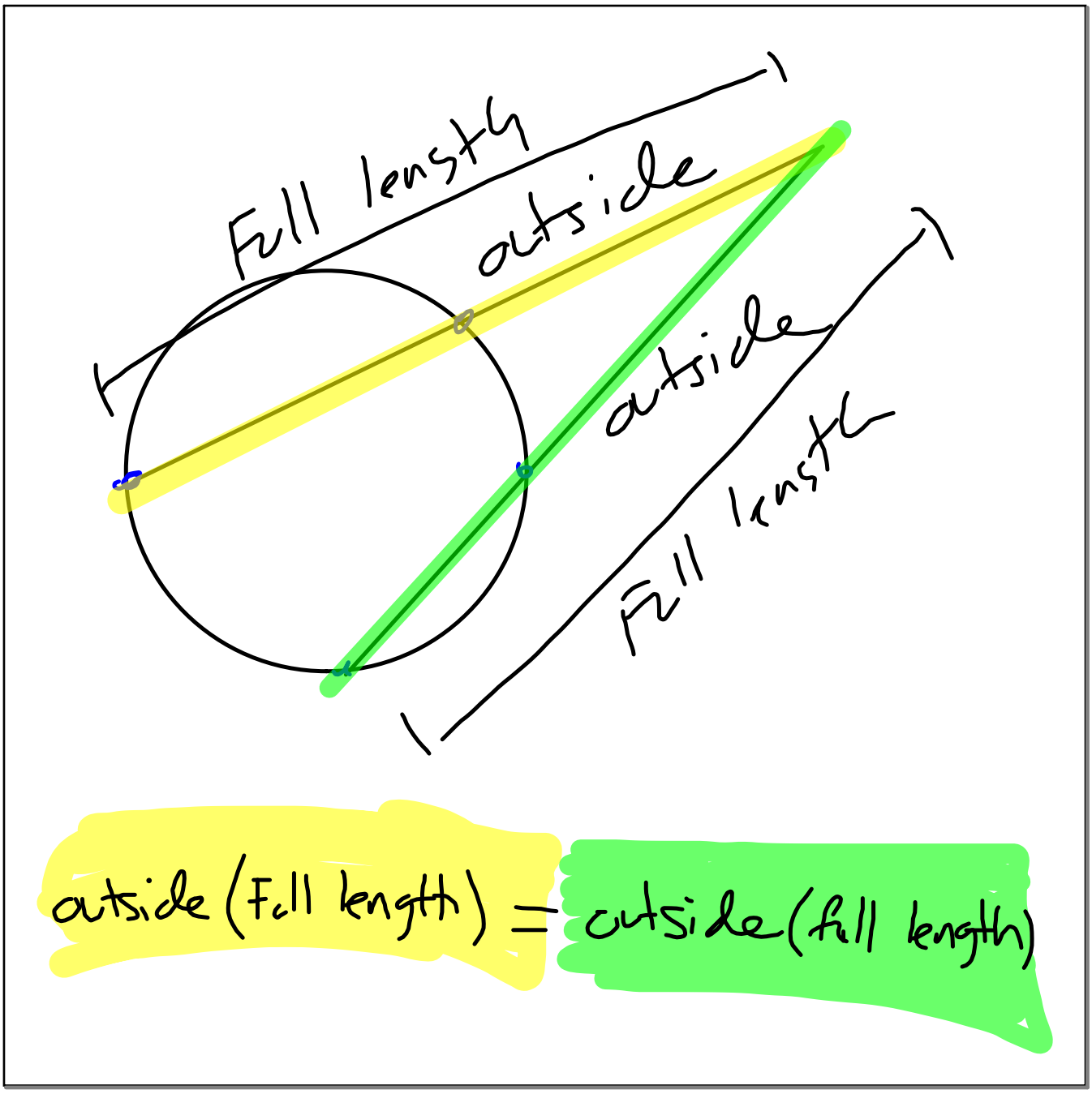
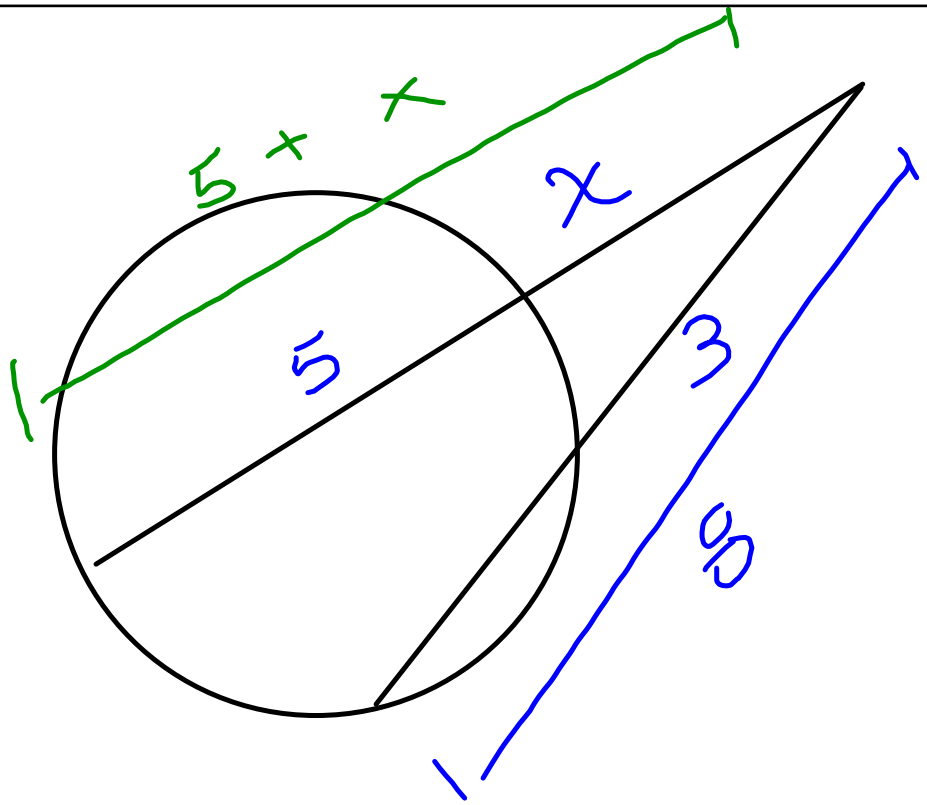

E
C
B
F
D
A
50°
77°
x°
100°
x°
100°



Oct 27-11:36 AM



Oct 27-12:05 PM

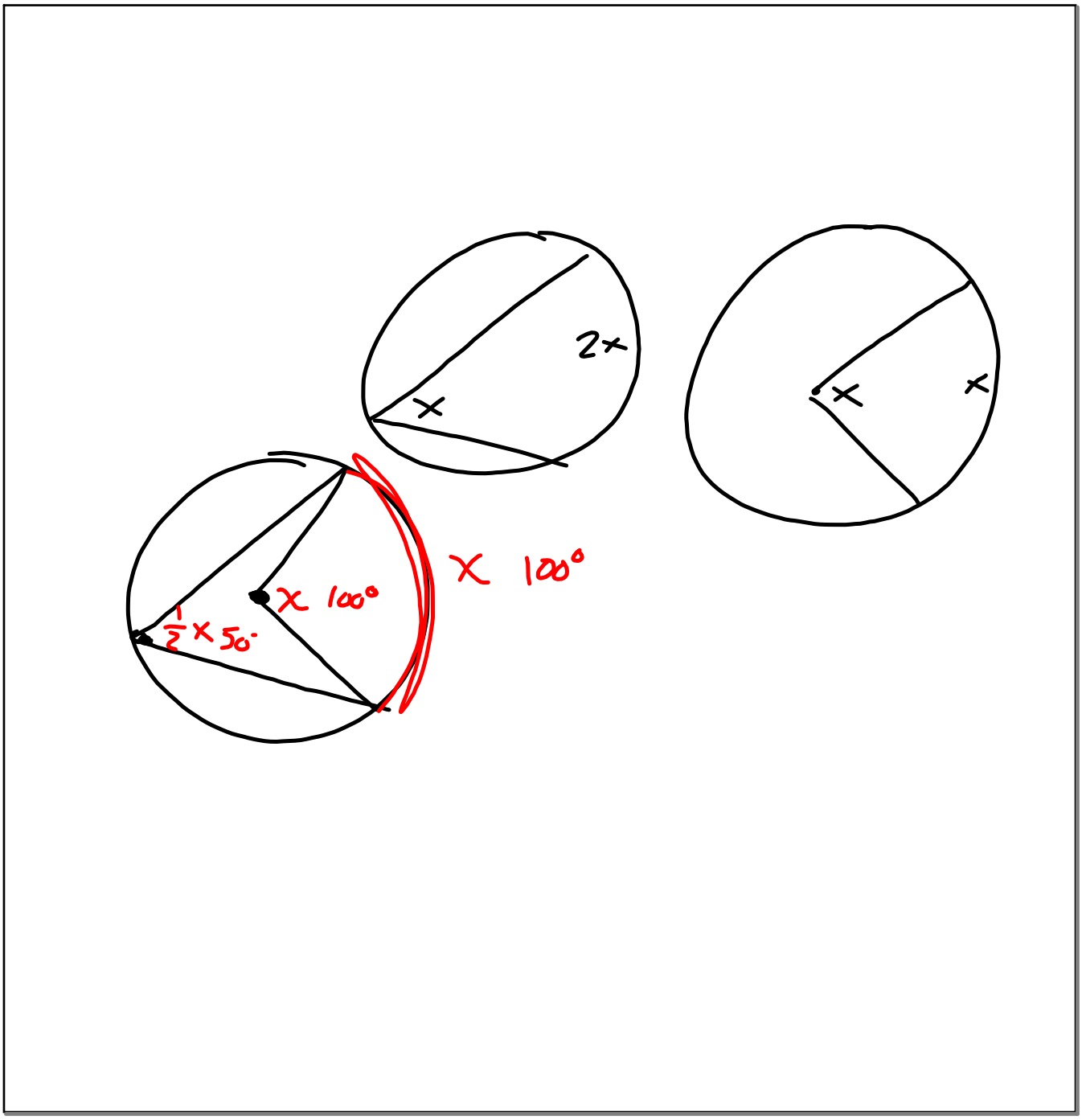


$$x(5+x) = 3(8)$$

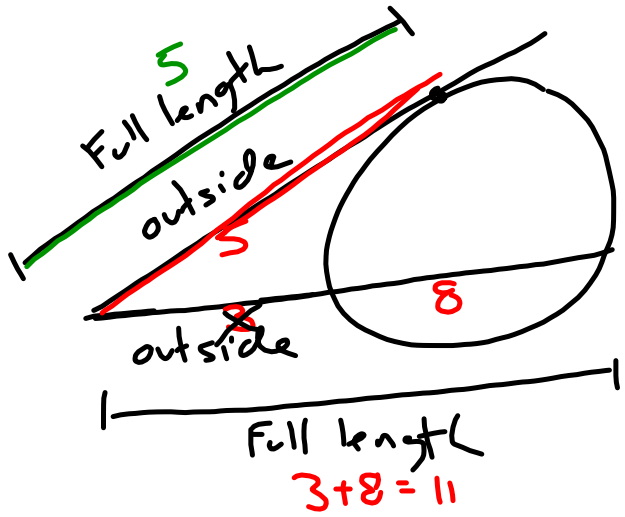
$$5x + x^2 = 24$$

$$x^2 + 5x - 24 = 0$$

Oct 27-12:07 PM



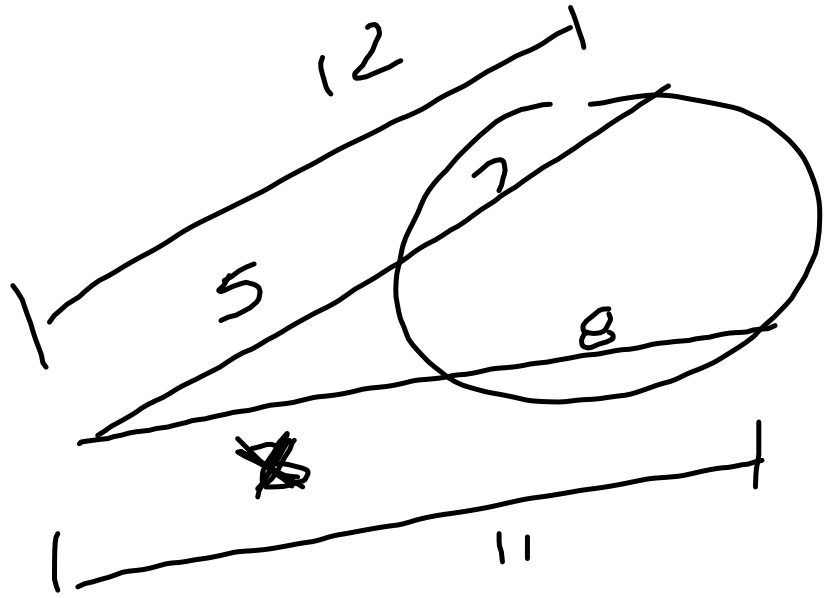
Oct 29-11:44 AM



$5(5) = 3(11)$

$25 = 11x$

$\frac{25}{11} = x$

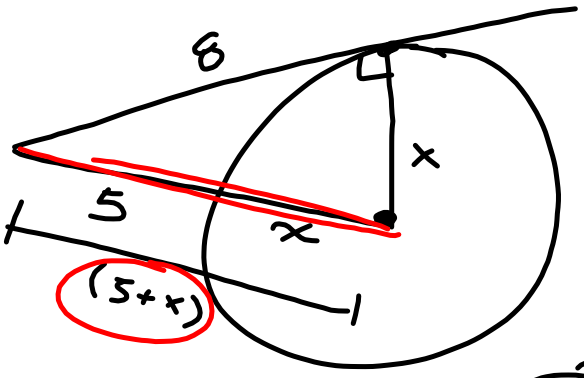


$5(12) = x(11)$

$60 = 11x$

$60/11 = x$

Oct 29-11:47 AM



$x^2 + 8^2 = (5+x)^2$

$x^2 + 64 = x^2 + 10x + 25$

$-x^2 \quad -x^2$

$64 = 10x + 25$

$-25 \quad -25$

$39 = 10x$

$\frac{39}{10} = x$

$(5+x)(5+x)$

$25 + 5x + 5x + x^2$

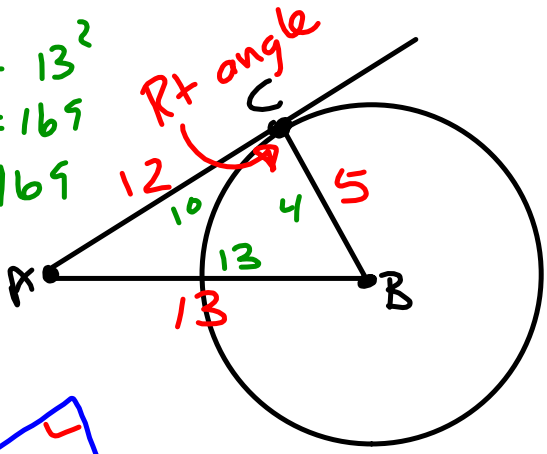
$x^2 + 10x + 25$

Oct 29-11:49 AM

$10^2 + 4^2 = 13^2$

$100 + 16 = 169$

$116 \neq 169$

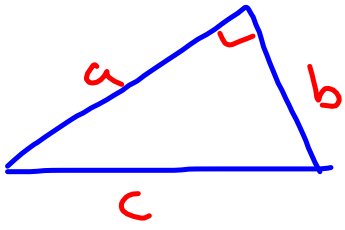


$12^2 + 5^2 = 13^2$

$144 + 25 = 169$

$169 = 169$ ✓

Is $\overline{AC}$ tangent to circle B?



Give me possible side lengths.

$a^2 + b^2 = c^2$

$3^2 + 4^2 = 5^2$

$9 + 16 = 25$

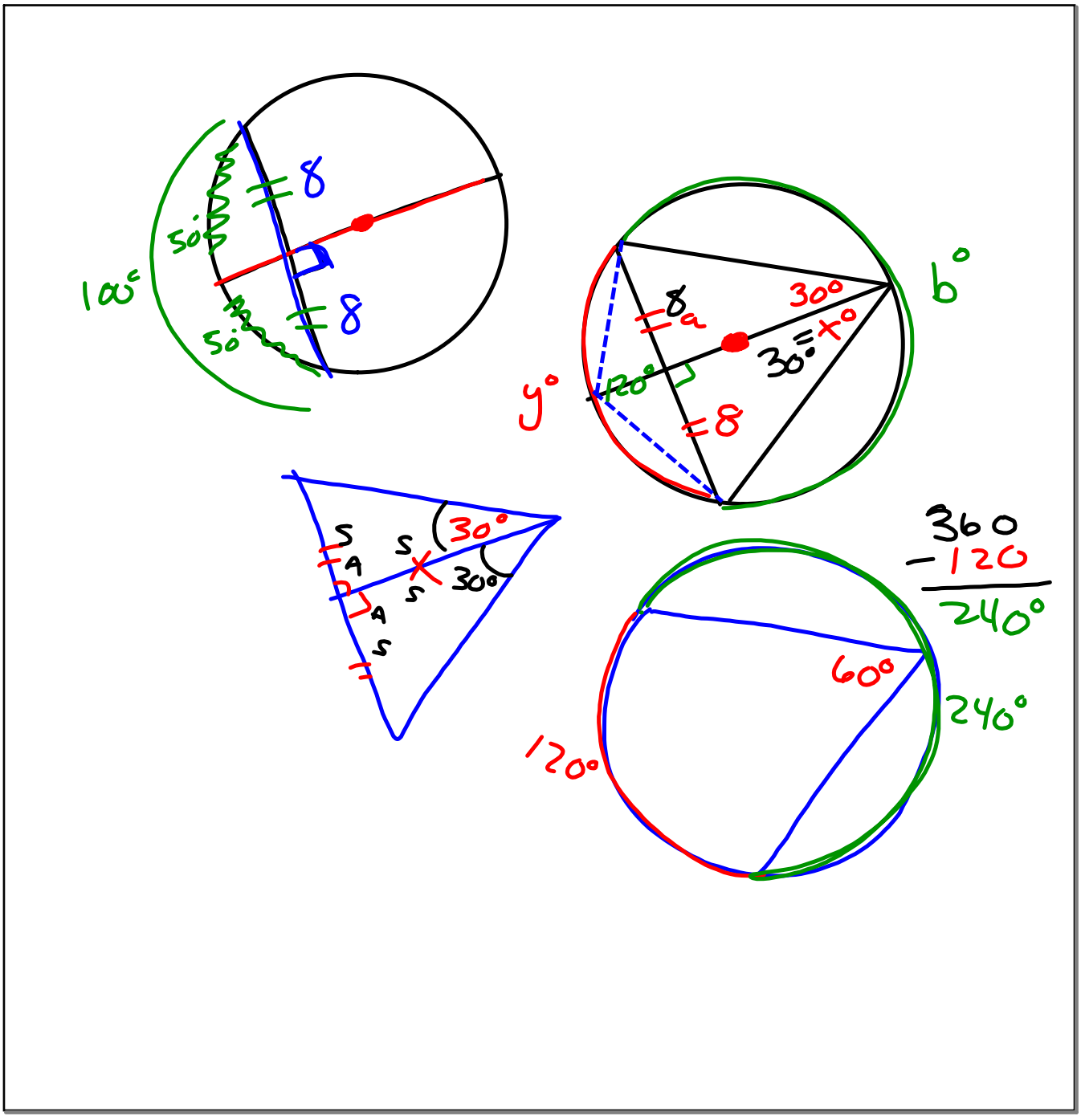
$25 = 25$ ✓

$6^2 + 8^2 = 10^2$

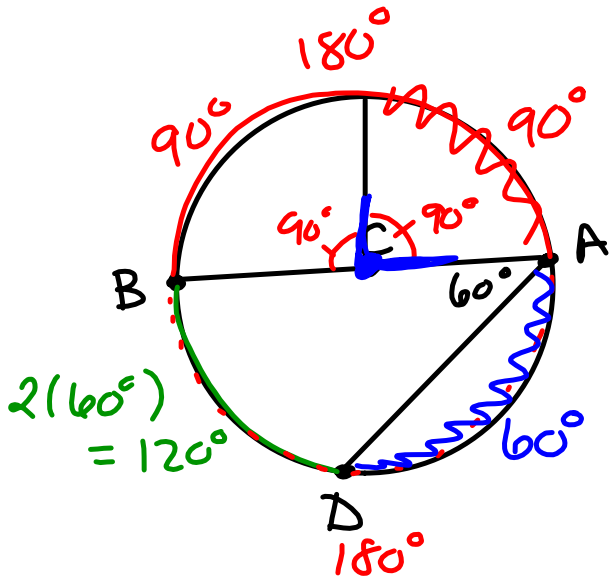
$36 + 64 = 100$

$100 = 100$ ✓

Oct 29-11:53 AM



Oct 29-12:01 PM



$m\angle A = 60^\circ$

$m\overset{\frown}{BD} = 120^\circ$

$m\overset{\frown}{AD} =$

$m\overset{\frown}{AB} =$

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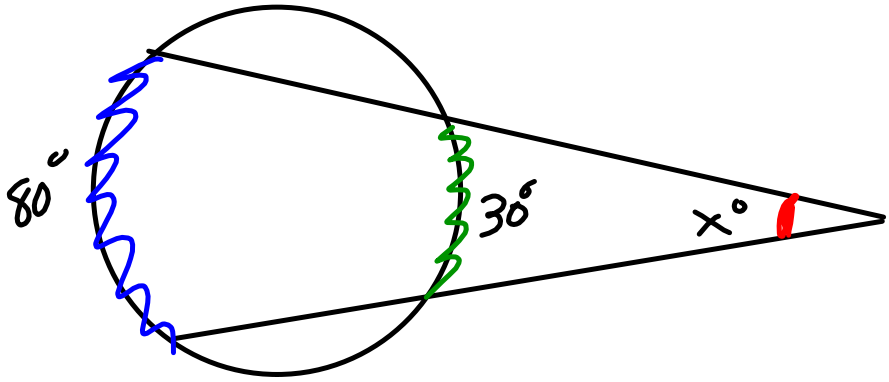

$$? \quad \frac{(80-30)}{2} = \frac{50}{2} = 25^\circ$$

$$? \quad \frac{(80+30)}{2} = \frac{110}{2} = 55^\circ$$

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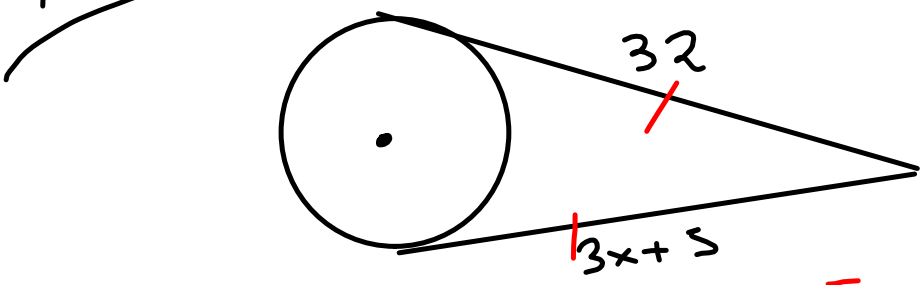
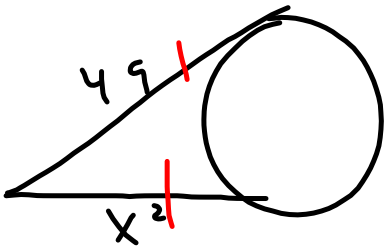
two tangents



$3x+5=32$

$3x=27$

$x=9$



$x^2=49$

$x=\pm\sqrt{49}$

$x=\pm 7$

length $x=7$

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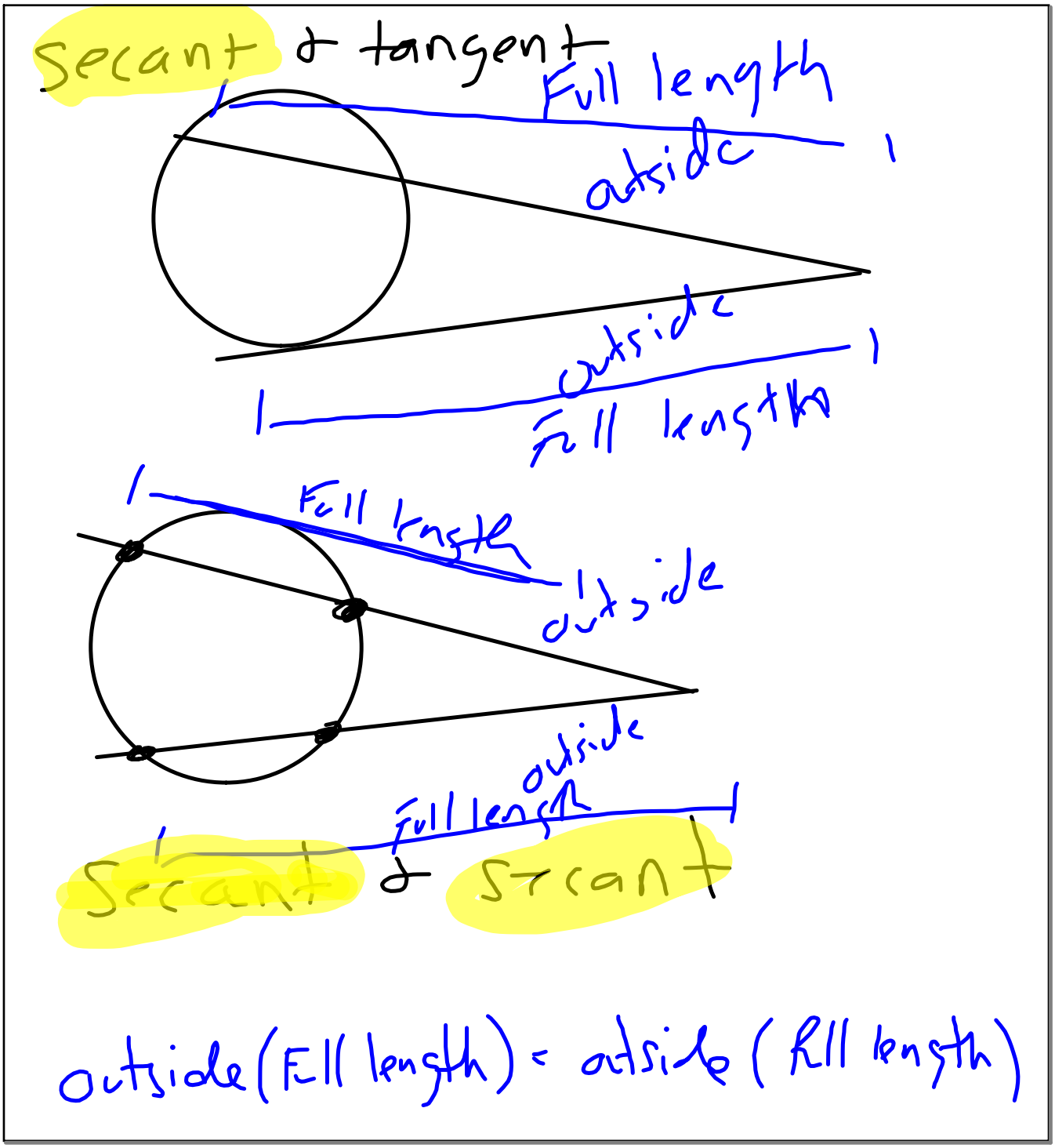

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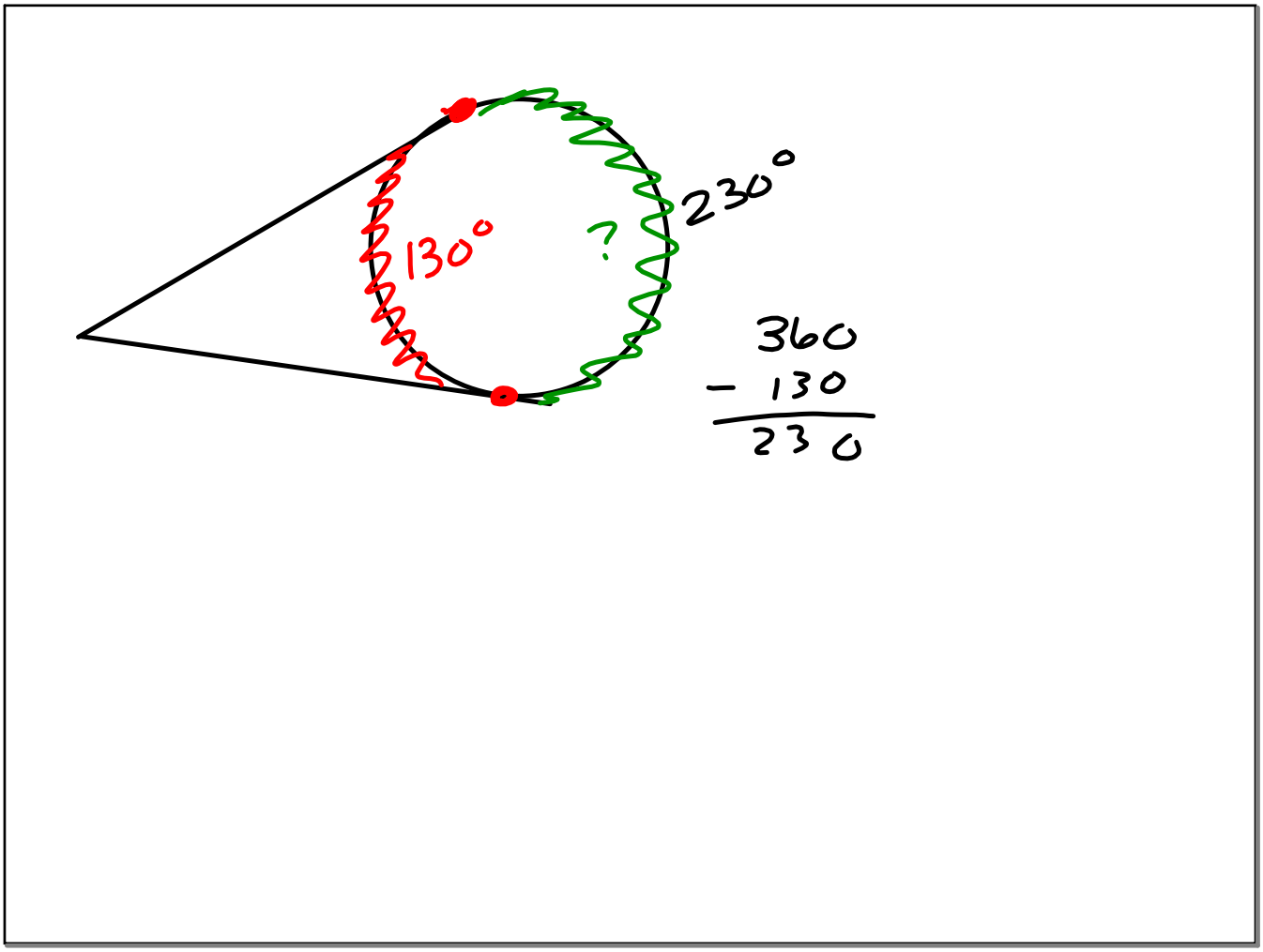

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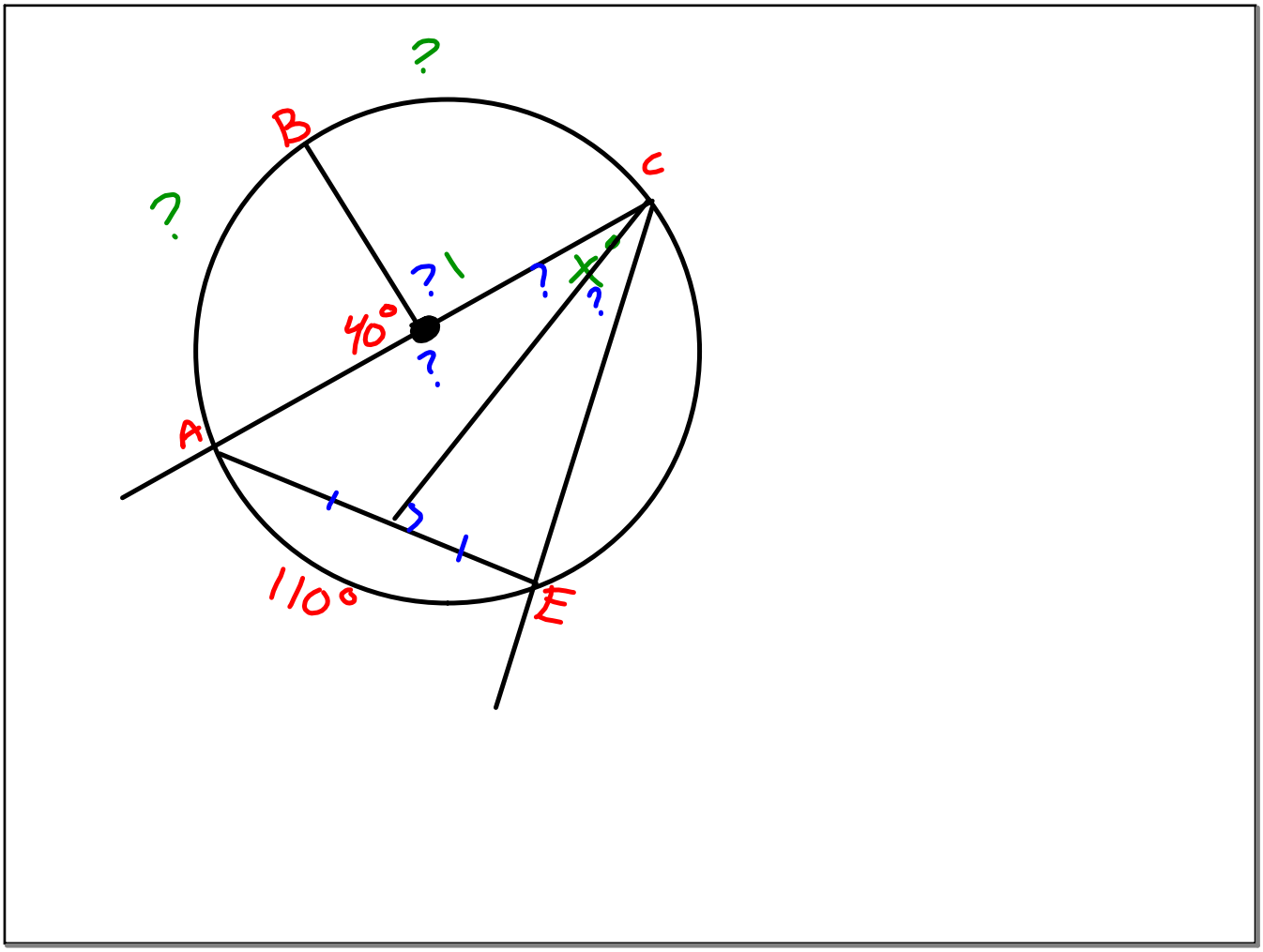

Oct 30-12:01 PM