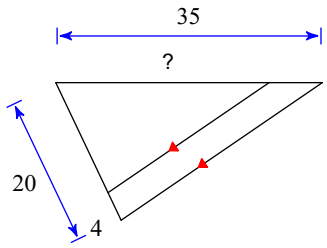
Geometry Name_____

Activity 0218

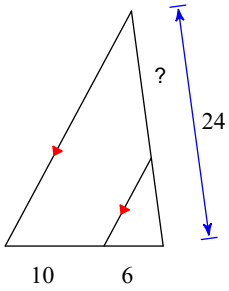
Date_____ Period____

Find the missing length indicated.

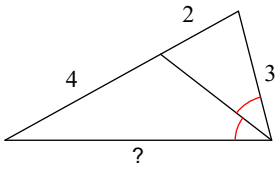
1)



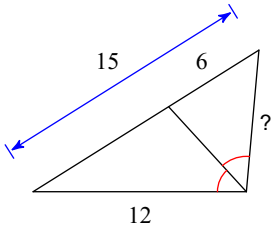
2)



3)

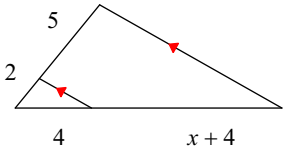


4)

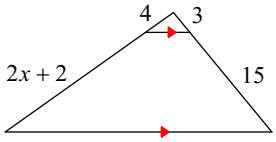


Solve for *x*.

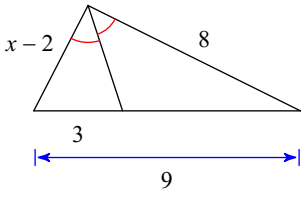
5)



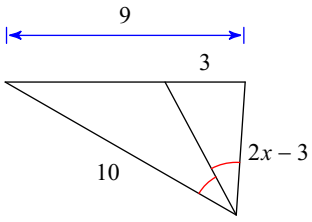
6)



7)

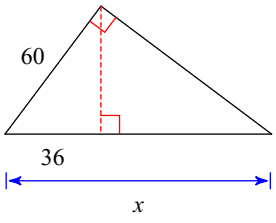


8)

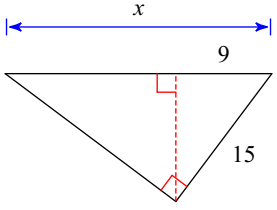


Find the missing length indicated. Leave your answer in simplest radical form.

9)



10)



Write the slope-intercept form of the equation of the line through the given points.

11) through: $(2, -1)$ and $(-4, 1)$

Write the slope-intercept form of the equation of the line described.

12) through: $(5, 3)$, perp. to $y = -\frac{5}{8}x + 2$

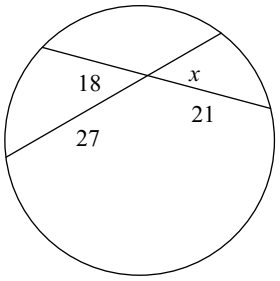
Use the information provided to write the equation of each circle.

13) Center: $(6, -8)$
Tangent to $x = 9$

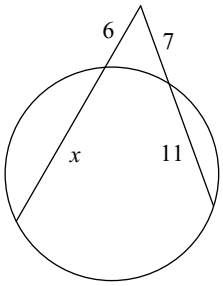
14) Ends of a diameter: $(1, 6)$ and $(-17, 8)$

Solve for *x*. Assume that lines which appear tangent are tangent.

15)

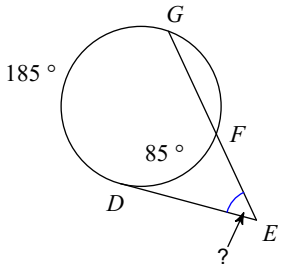


16)

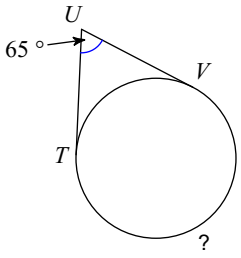


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

17)



18)



Answers to Activity 0218

1) 28
2) 15
3) 6
4) 8
5) 6
6) 9
7) 6
8) 4
9) 100
10) 25
11) $y = -\frac{1}{3}x - \frac{1}{3}$
12) $y = \frac{8}{5}x - 5$
13) $(x-6)^2 + (y+8)^2 = 9$
14) $(x+8)^2 + (y-7)^2 = 82$
15) 14
16) 15
17) 50°
18) 245°