Assume that lines that appear to be tangent are tangent. is the center of each circle. Find the value of x.



1.



$$x = 180^{\circ} - 90^{\circ} - 58^{\circ}$$



3.



Practice 12-1 **Tangent Lines**

In each diagram,



is tangent to ocat B. Find the value of x.







$$x^2 + 3^2 = (3 + 7)^2$$

$$x^2 + 9 = 100$$

$$x = \sqrt{91}$$

 $x \approx 9.54$







$$12^2 + 9^2 = (x+9)^2$$

$$225 = (x+9)^2$$

$$\sqrt{225} = \sqrt{(x+9)^2}$$

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Richard Bailey

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