**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Block\_\_\_\_\_\_**

**Write an equation and solve to find the value of x in each diagram.**

*All segments that appear to be tangent are!*

|  |  |  |
| --- | --- | --- |
| **1.**85° 73° x° | **2.**110°50°x° | **3.** 96°x° |
| **4.**x°280° | **5.** x°45°55° | **6.** x° 42°48° |
| **7.**120° x°50° | **8.** 136°96° x° | **9.**  100° x° |
| **10.**100°x°20°140° 80°x°110° | **11.**  78° x°54° | **12.** 25° x°25° |
| **Round any decimal answers to the nearest tenth.** |
| **13.**130°40° x° | **14.** 80°90° x°60° | **15.**  18x 10x |
| **16.** 6x 53 | **17.**12 8 x | **18.** x 5x5 3 832x832x |
| **19.** 3x x 12 | **20.**10 5 x x | **21.**12x510 16x 98 |
| **22.** 6 155 x  | **23.**  4x16 12 3x  | **24.**  is a diameter x 48BA |