Math 4CST   Name_____

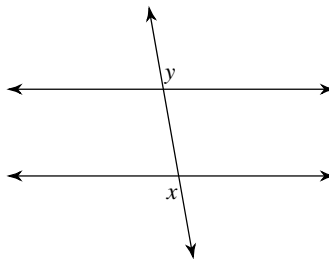# Practice on Angles and Parallel Lines

Identify each pair of angles as corresponding, alternate interior, alternate exterior, co-interior, supplementary or vertically opposite.
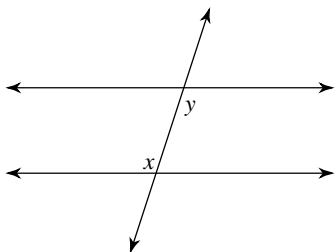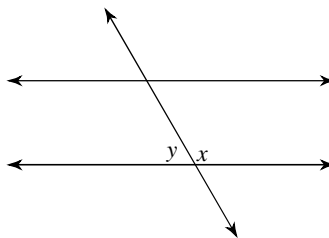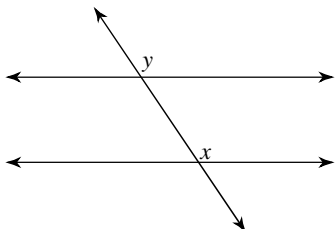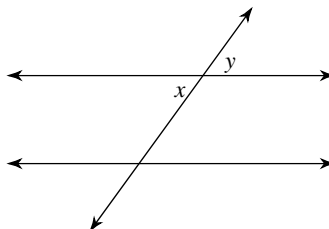
1)
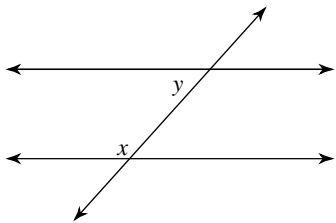
2)

3)

4)

5)

6)
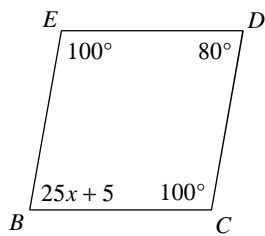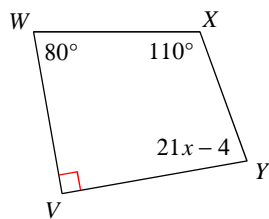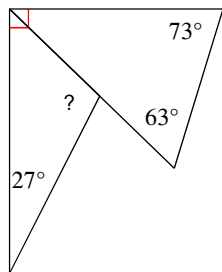
     -1-

Solve for *x*.

7)

E ... 100° ... 80° ... D
B ... 25x + 5 ... 100° ... C

8)

W ... 80° ... 110° ... X
21x − 4 ... Y
V

9)

3x + 2 ... 55°

10)

x + 60
45° ... 82°

Find the measure of each angle indicated.

11)

73°
?
63°
27°

12)

60° ... ?
54° ... 56° ... 43°

Solve for *x*.
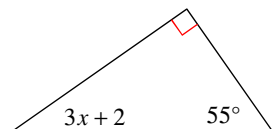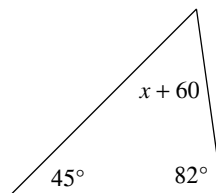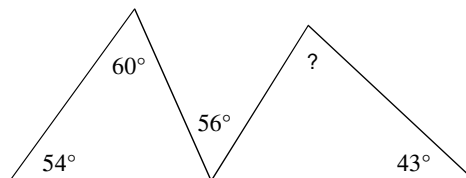
13)

73°
x + 79

14)

5x + 20
75°

Find the measure of each angle indicated.

15)

16)

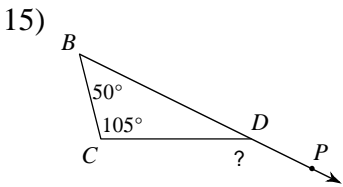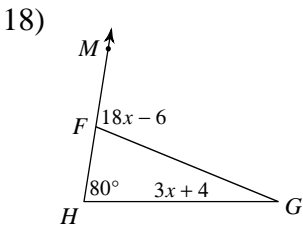**Solve for *x*.**

17)

18)

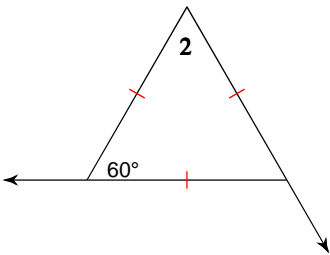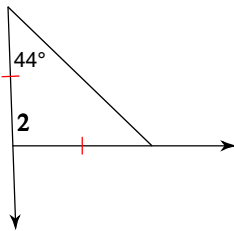**Find the value of *x*.**

19)

20)
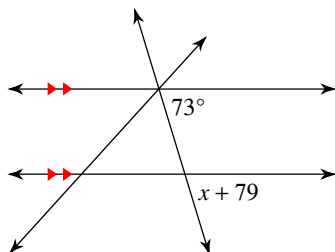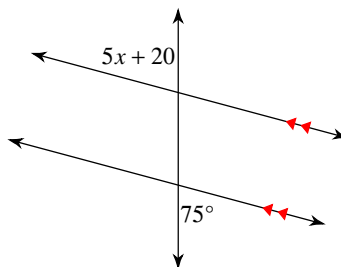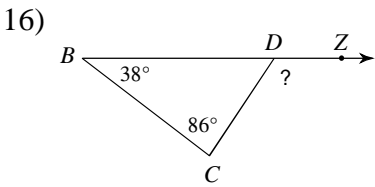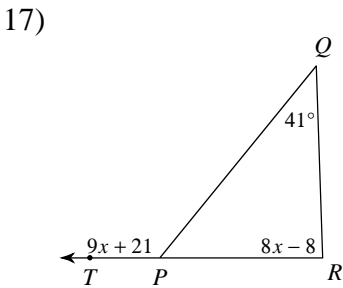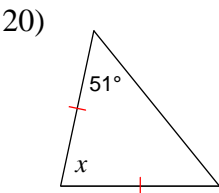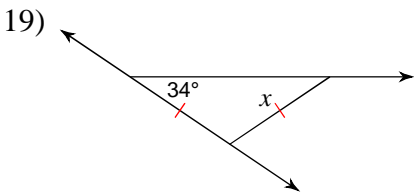
21) $m\angle 2 = x + 66$

22) $m\angle 2 = x + 99$

Answers to Practice on Angles and Parallel Lines (ID: 1)

1) co-interior
2) alternate exterior
3) alternate interior
4) adjacent
5) corresponding
6) vertical
7) 3
8) 4
9) 11
10) −7
11) 107°
12) 79°
13) −6
14) 11
15) 155°
16) 124°
17) 12
18) 6
19) 34°
20) 78°
21) −6
22) −7