Geometry 1 - Mr. C. - All work on looseleaf.

Name_____

Q1P6 - Ch. 3-1/3-2 Classwork

Date_____ Period____

Find the midpoint of the line segment with the given endpoints.

1) $(1, 7)$, $(-8, 3)$

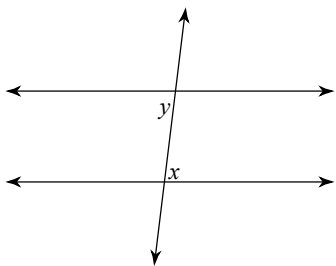2) $\left(\dfrac{10}{9}, \dfrac{1}{2}\right)$, $\left(-2, 5\dfrac{1}{2}\right)$

Find the distance between each pair of points.
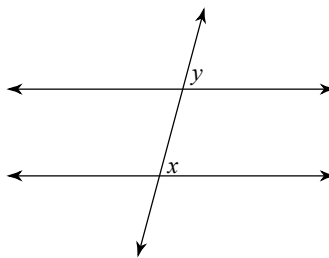
3) $(-2, 4)$, $(6, -1)$

4) $\left(-1\dfrac{1}{3}, 0\right)$, $\left(-2, \dfrac{1}{4}\right)$

Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, or vertical.
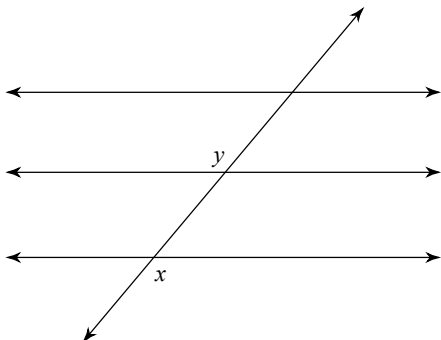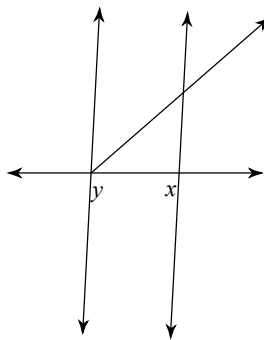
5)

6)

Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, or vertical. These are a little harder to see at first.
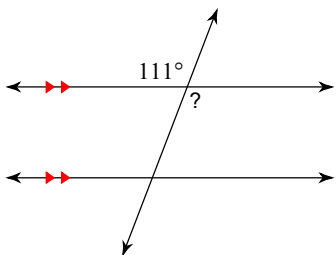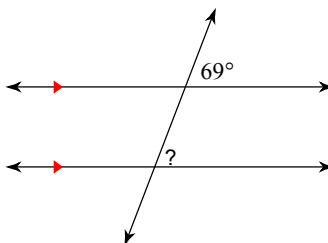
7)

8)

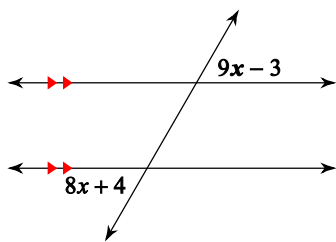
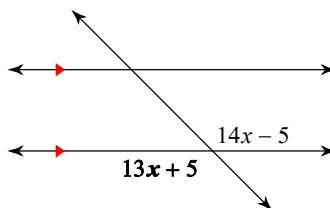
Find the measure of each angle indicated.

9)

10)

Find the measure of the angle indicated in bold.
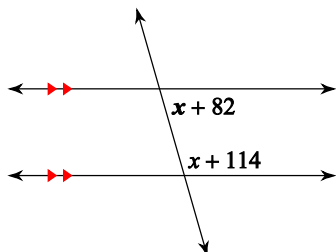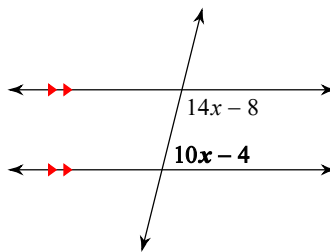
11)

$9x - 3$

$8x + 4$

12)

$14x - 5$

$13x + 5$

13)

$x + 82$

$x + 114$

14)

$14x - 8$

$10x - 4$

15)

$11x + 13$

$12x + 6$

16)

$14x - 6$

$13x + 3$

17)

$23x + 1$

$22x + 4$

18)

$14x - 4$

$12x + 8$

Solve for x.

19)

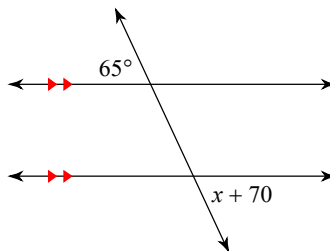$91°$

$-8 + 11x$

20)

$65°$

$x + 70$

21)

$x + 102$

$100°$

22)

$16x + 2$

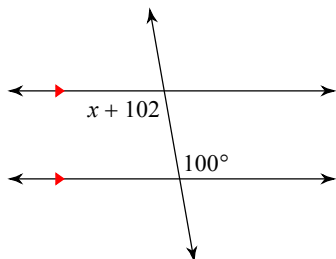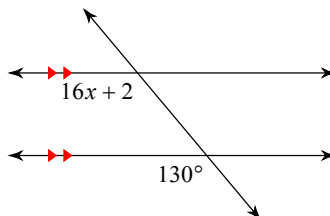$130°$
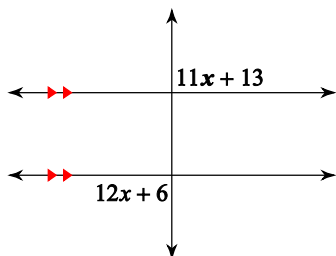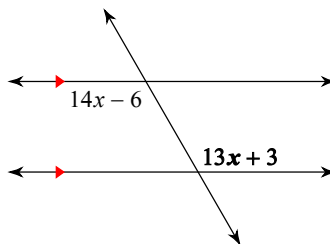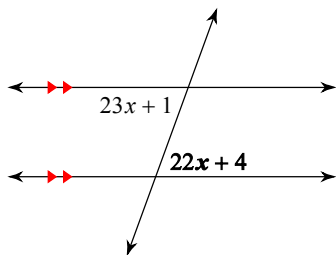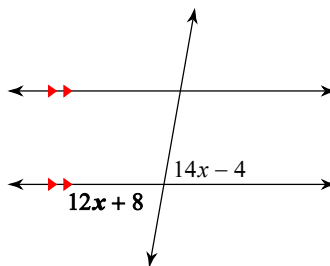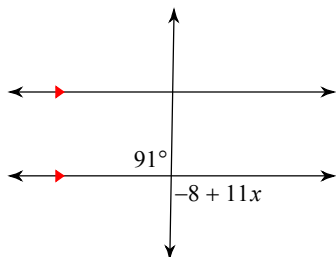
Answers to Q1P6 - Ch. 3-1/3-2 Classwork (ID: 1)

1) $\left(-3\frac{1}{2}, 5\right)$

3) $\sqrt{89}$

5) alternate interior

7) alternate exterior

9) 111°

11) 60°

13) 74°

15) 90°

17) 70°

19) 9

21) −2