

Geometry
Emphasis on Midpoint Formula

Identify the midpoint of each of the following:

1. $(-4,7) & (3,9)$ $\left(\frac{-4+3}{2}, \frac{7+9}{2}\right)$ $\boxed{\left(-\frac{1}{2}, 8\right)}$	2. $(8,2) & (-1,-5)$ $\left(\frac{8+(-1)}{2}, \frac{2+(-5)}{2}\right)$ $\boxed{\left(\frac{7}{2}, -\frac{3}{2}\right)}$
3. $(11,6) & (18,13)$ $\left(\frac{11+18}{2}, \frac{6+13}{2}\right)$ $\boxed{\left(\frac{29}{2}, \frac{19}{2}\right)}$	4. $(3,-5) & (13,-11)$ $\left(\frac{3+13}{2}, \frac{-5+(-11)}{2}\right)$ $\boxed{(8, -8)}$
5. $(-12,-2) & (-10,-6)$ $\left(\frac{-12+(-10)}{2}, \frac{-2+(-6)}{2}\right)$ $\boxed{(-11, -4)}$	6. $(8,1) & (-2,9)$ $\left(\frac{8+(-2)}{2}, \frac{1+9}{2}\right)$ $\boxed{(3, 5)}$
7. $(1,2) & (6,3)$ $\left(\frac{1+6}{2}, \frac{2+3}{2}\right)$ $\boxed{\left(\frac{7}{2}, \frac{5}{2}\right)}$	8. $(3,-4) & (0,12)$ $\left(\frac{3+0}{2}, \frac{-4+12}{2}\right)$ $\boxed{\left(\frac{3}{2}, 4\right)}$
9. $(-6,-7) & (11,-12)$ $\left(\frac{-6+11}{2}, \frac{-7+(-12)}{2}\right)$ $\boxed{\left(\frac{5}{2}, -\frac{19}{2}\right)}$	10. $(-10,8) & (-8,-8)$ $\left(\frac{-10+(-8)}{2}, \frac{8+(-8)}{2}\right)$ $\boxed{(-9, 0)}$

11. $(4,0) & (5,-6)$

$$\left(\frac{4+5}{2}, \frac{0+(-6)}{2} \right)$$

$$\boxed{\left(\frac{9}{2}, -3 \right)}$$

12. $(7,9) & (-2,-10)$

$$\left(\frac{7+(-2)}{2}, \frac{9+(-10)}{2} \right)$$

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

13. $(-4,-5) & (15,17)$

$$\left(\frac{-4+15}{2}, \frac{-5+17}{2} \right)$$

$$\boxed{\left(\frac{11}{2}, 6 \right)}$$

14. $(14,-20) & (-18,25)$

$$\left(\frac{14+(-18)}{2}, \frac{-20+25}{2} \right)$$

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

15. $(-93,15) & (90,-15)$

$$\left(\frac{-93+90}{2}, \frac{15+(-15)}{2} \right)$$

$$\boxed{\left(-\frac{3}{2}, 0 \right)}$$

16. $(-22,42) & (57,2)$

$$\left(\frac{-22+57}{2}, \frac{42+2}{2} \right)$$

$$\boxed{\left(\frac{35}{2}, 22 \right)}$$

17. $(-70,-87) & (59,-14)$

$$\left(\frac{-70+59}{2}, \frac{-87+(-14)}{2} \right)$$

$$\boxed{\left(-\frac{11}{2}, -\frac{101}{2} \right)}$$

18. $(-98,5) & (-77,64)$

$$\left(\frac{-98+(-77)}{2}, \frac{5+64}{2} \right)$$

$$\boxed{\left(-\frac{175}{2}, \frac{69}{2} \right)}$$

19. $(41,-45) & (-25,75)$

$$\left(\frac{41+(-25)}{2}, \frac{-45+75}{2} \right)$$

$$\boxed{(8, 15)}$$

20. $(90,60) & (-3,-2)$

$$\left(\frac{90+(-3)}{2}, \frac{60+(-2)}{2} \right)$$

$$\boxed{\left(\frac{87}{2}, 29 \right)}$$