Intermediate Algebra Skill

Finding the Midpoint of a Line Segment Connecting Two Points

Find the midpoint of a line segment connecting the two points:

1) $(0,6),(3,-5)$

2) $(8,3),(-6,7)$

3) $(-1,-10),(-2,9)$

4) $(-6,2),(2,-10)$

5) $(-5,-8),(-3,-4)$

6) $\left(-9,3\frac{1}{10}\right),\left(-1,7\frac{1}{2}\right)$

7) $\left(2\frac{1}{4},2\frac{3}{10}\right),\left(2\frac{1}{2},-1\right)$

8) $\left(7,5\frac{1}{7}\right),\left(-\frac{1}{5},-\frac{11}{6}\right)$

9) $\left(-\frac{1}{6},\frac{1}{3}\right),\left(-\frac{9}{5},-\frac{5}{3}\right)$

10) $\left(-\frac{5}{7},\frac{1}{2}\right),\left(\frac{11}{6},-\frac{7}{5}\right)$

11) $(-6.4,2.5),(4.5,9.8)$

12) $(-2.52,-9.7),(-0.2,-0.3)$

13) $(9.3,-2.7),(9.4,-3.3)$

14) $(4,8.41),(-9,1)$

15) $(5,-7.1),(5.6,8.7)$

Answers to Finding the Midpoint of a Line Segment Connecting Two Points

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

2) $\left(1,5\right)$

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

4) $\left(-2,-4\right)$

5) $\left(-4,-6\right)$

6) $\left(-5,5\frac{3}{10}\right)$

7) $\left(2\frac{3}{8},\frac{13}{20}\right)$

8) $\left(3\frac{2}{5},1\frac{55}{84}\right)$

9) $\left(-\frac{59}{60},-\frac{2}{3}\right)$

10) $\left(\frac{47}{84},-\frac{9}{20}\right)$

11) $\left(-0.95,6.15\right)$

12) $\left(-1.36,-5\right)$

13) $\left(9.35,-3\right)$

14) $\left(-2.5,4.705\right)$

15) $\left(5.3,0.8\right)$