$\qquad$

Example: Find the distance between the points $(5,-1)$ and $(3,7)$.

$$
\begin{aligned}
\text { Distance } & =\sqrt{\left(x_{2}-x_{1}\right)^{2}+\left(y_{2}-y_{1}\right)^{2}} \\
& =\sqrt{(3-5)^{2}+(7+1)^{2}} \\
& =\sqrt{(-2)^{2}+(8)^{2}}=\sqrt{4+64}=\sqrt{68} \approx 8.25 \text { units }
\end{aligned}
$$

Find the distance between the points. Round the answer to two decimal places.

1) $(1,3),(5,7)$
2) $(-8,-9),(-4,-10)$
3) $(10,6),(1,-4)$
4) $(3,2),(8,2)$
5) $(9,-3),(-1,8)$
6) $(10,0),(0,4)$
7) $(-7,-2),(6,9)$
8) $(-6,5),(8,-3)$
9) $(-5,-6),(-9,-4)$
10) $(2,0),(-7,1)$
$\qquad$
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$$

Find the distance between the points. Round the answer to two decimal places.

1) $(1,3),(5,7)$
2) $(-8,-9),(-4,-10)$
$\sqrt{32} \approx 5.66$ units
3) $(10,6),(1,-4)$
$\sqrt{181} \approx 13.45$ units
4) $(9,-3),(-1,8)$
$\sqrt{221} \approx 14.87$ units
5) $(-7,-2),(6,9)$

$$
\sqrt{290} \approx 17.03 \text { units }
$$

9) $(-5,-6),(-9,-4)$
10) $(2,0),(-7,1)$
$\sqrt{20} \approx 4.47$ units
$\sqrt{82} \approx 9.06$ units
