Determine the coordinates and quadrant of each problem.


1) Starting at $(0,0)$ if you were to go left 5 units and down 3 units what coordinates would you end up at? What quadrant would you be in?
2) Starting at $(0,0)$ if you were to go left 8 units and up 10 units what coordinates would you end up at? What quadrant would you be in?
3) Starting at $(0,0)$ if you were to go down 7 units and right 8 units what coordinates would you end up at? What quadrant would you be in?
4) Starting at $(0,0)$ if you were to go right 7 units and down 10 units what coordinates would you end up at? What quadrant would you be in?
5) Starting at $(0,0)$ if you were to go up 5 units and left 8 units what coordinates would you end up at? What quadrant would you be in?
6) Starting at $(0,0)$ if you were to go down 4 units and right 3 units what coordinates would you end up at? What quadrant would you be in?
7) Starting at $(0,0)$ if you were to go up 10 units and right 4 units what coordinates would you end up at? What quadrant would you be in?
8) Starting at $(0,0)$ if you were to go down 5 units and right 1 unit what coordinates would you end up at? What quadrant would you be in?
9) Starting at ( 0,0 ) if you were to go up 6 units and left 6 units what coordinates would you end up at? What quadrant would you be in?
10) Starting at $(0,0)$ if you were to go up 4 units and left 2 units what coordinates would you end up at? What quadrant would you be in?
11) Starting at $(0,0)$ if you were to go down 3 units and left 2 units what coordinates would you end up at? What quadrant would you be in?
12) Starting at $(0,0)$ if you were to go left 5 units and down 2 units what coordinates would you end up at? What quadrant would you be in?

Answers
1.
2.
3.
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$
11. $\qquad$
12. $\qquad$

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1. 
2. $(-8,10) \quad 2$

3 3. $(8,-7) \quad 4$
4. $(7,-10) \quad 4$
5. $(-8,5) \quad 2$

6 $(3,-4) \quad 4$
7. $(4,10) \quad 1$
8. $(1,-5) \quad 4$

| 9. $\frac{(-6,6)}{} \frac{2}{2}$ |
| :--- |
| 10. $\left.\frac{(-2,4)}{2}-2,-3\right)$ | 12. $(-5,-2) \quad 3$

