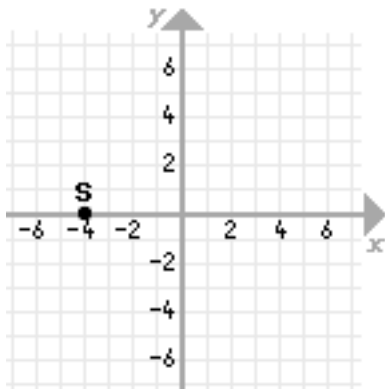
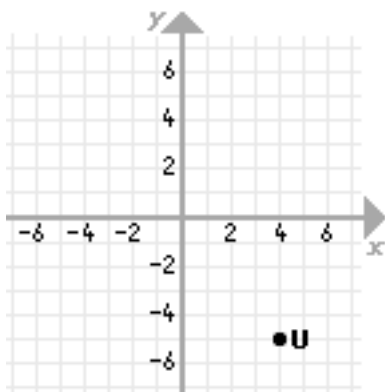


1. Find the coordinates of the point S.



2. Find the coordinates of the point U.



3. In what quadrant does the point $(-1, 3)$ lie?
4. Graph on an xy -coordinate system: $2x - 3y = 8$
5. Graph on an xy -coordinate system: $\frac{2}{5}x + \frac{3}{5}y = 1$
6. Graph on an xy -coordinate system: $y = -6$
7. Graph on an xy -coordinate system: $x = 0$
8. Graph the vertical line through the point $(3.5, 1.7)$ and find the equation of this vertical line.
9. Graph the line $y = \frac{3}{2}x - 3$ using a table of values.
10. Graph the line $y = \frac{3}{2}x - 3$ using the slope and y -intercept.
11. Find the x -intercept and y -intercept of the line $x - y = 5$.

12. Find the x-intercept and y-intercept of the line $7x + 2y = -12$.
13. What is the slope of any horizontal line?
14. What is the slope of any vertical line?
15. Find the slope and y-intercept of the line $5x + 3y = -6$.
16. Find the slope of the line that contains the points $(1, 3)$ and $(-8, -3)$.
17. Find the slope of the line that contains the points $(-5, -8)$ and $(-7, 2)$.
18. Find the equation of the line which passes through the point $(-1, -3)$ and has a slope of -4 . Write your final equation in slope-intercept form.
19. Find the equation of the line which passes through the point $(-4, 6)$ and has a slope of $\frac{2}{3}$. Write your final equation in slope-intercept form or another form. Graph the line.
20. Find the equations of the horizontal line and vertical line that pass through the point $(-3, 1)$.
21. Find the equation of the line which passes through the points $(1, -5)$ and $(-1, 3)$. Write your final equation in slope-intercept form or another form.
22. Find the equation of the line which passes through the points $(4, 2)$ and $(-2, -7)$. Write your final equation in slope-intercept form or another form.
23. Find the equation of the line which passes through the point $(1, 5)$ that is parallel to the line $y = 2x - 4$.
24. Find the equation of the line which passes through the point $(-2, 7)$ that is perpendicular to the line $y = 2x + 1$.

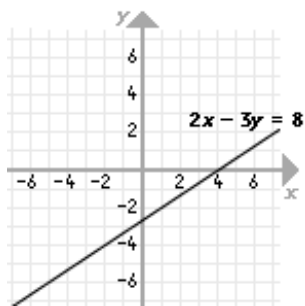
ANSWERS:

1. $(-4, 0)$

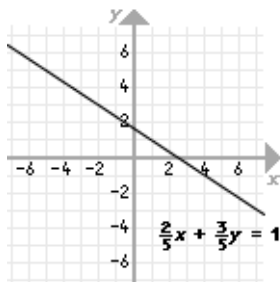
2. $(4, -5)$

3. Quadrant II

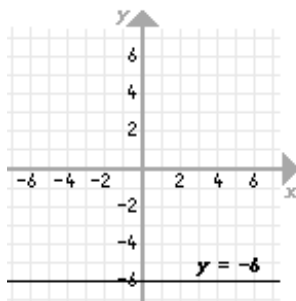
4.



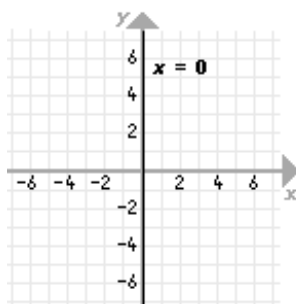
5.



6.

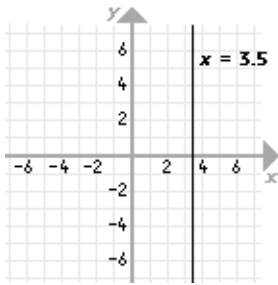


7.



ANSWERS (CONTINUED):

8. Equation of Vertical Line: $x = 3.5$



9. $y = \frac{3}{2}x - 3$

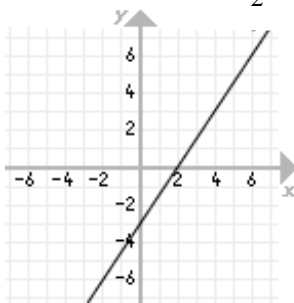
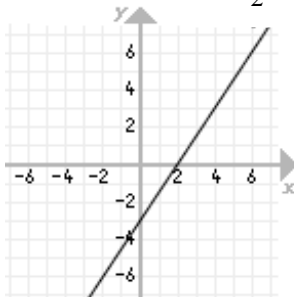


Table Of Values (Answers May Vary):

x	y
-2	-6
0	-3
2	0

10. $y = \frac{3}{2}x - 3$



slope: $\frac{3}{2}$

y-intercept: $(0, -3)$

11. x-intercept: $(5, 0)$, y-intercept: $(0, -5)$

12. x-intercept: $(-\frac{12}{7}, 0)$, y-intercept: $(0, -6)$
13. slope: 0
14. slope: undefined
15. slope: $m = -\frac{5}{3}$
y-intercept: $(0, -2)$
16. $\frac{2}{3}$
17. -5
18. $y = -4x - 7$
19. $y = \frac{2}{3}x + \frac{26}{3}$ or $(y - 6) = \frac{2}{3}(x + 4)$ (either form is fine)
20. Horizontal Line: $y = 1$
Vertical Line: $x = -3$
21. $y = -4x - 1$ or $(y + 5) = -4(x - 1)$ or $(y - 3) = -4(x + 1)$ (any of these is fine)
22. $y = \frac{3}{2}x - 4$ or $(y - 2) = \frac{3}{2}(x - 4)$ or $(y + 7) = \frac{3}{2}(x + 2)$ (any of these is fine)
23. $(y - 5) = 2(x - 1)$ or $y = 2x + 3$ (either form is fine)
24. $(y - 7) = -\frac{1}{2}(x + 2)$ or $y = -\frac{1}{2}x + 6$ (either form is fine)