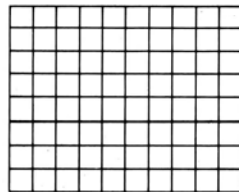
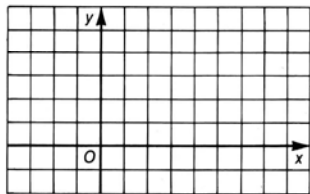


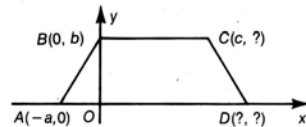
Practice 55
Chapter 13 Practice

- Given points $A(1, 4)$ and $B(-3, 7)$, find the following.
 - The distance from A to B _____
 - The coordinates of the midpoint of \overline{AB} _____
 - The slope of the line containing A and B _____
 - An equation of the line containing A and B . _____
 - Name \overrightarrow{AB} as an ordered pair. _____
- Write an equation of the circle with center $(3, -2)$ and radius 8. _____
- Find the center and radius of the circle with equation $x^2 + (y + 4)^2 = 20$.
 center _____ radius _____
- Write an equation of the line through $(-1, 4)$ and perpendicular to a line with slope 2. _____
- Graph the line $2y - x = 2$.
- Find the vector sum $(2, 3) + (-3, 1)$ and illustrate with a diagram. _____



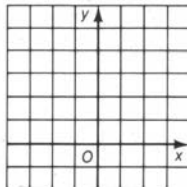
- Find the coordinates of the point of intersection of the lines $3x + y = 7$ and $-x + y = 3$. _____

- Supply the missing coordinates in isosceles trapezoid $ABCD$ without introducing any new letters.
 C _____, D _____



Write an equation in slope-intercept form of the given line.

- Line through $(-5, 0)$ and parallel to $2x - y = 8$ _____
- Line through $(-1, 6)$ and perpendicular to $x - y = 4$ _____
- Solve the pair of equations algebraically. Then draw the graphs of the equations and label their intersection point.
 $2x + y = 5$
 $x + y = 3$



1)	2-3: NO WORK
4)	5)
6: NO WORK	7)
8: NO WORK	9)
10)	11)