

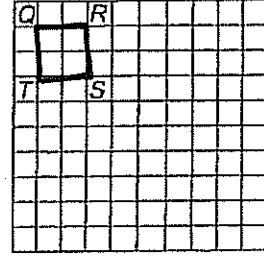
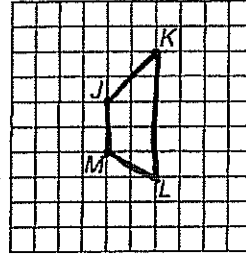
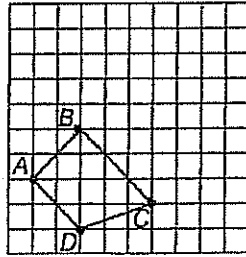
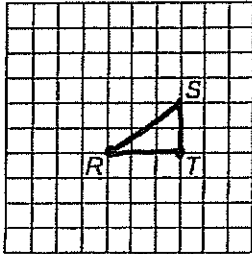
6-8

Practice: Skills

Translations #2

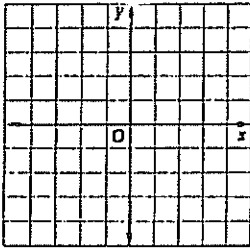
Draw the image of the figure after the indicated translation.

1. 2 units left and 3 units up 2. 4 units right and 1 unit up 3. 1 unit left and 2 units down 4. 5 units right and 3 units down

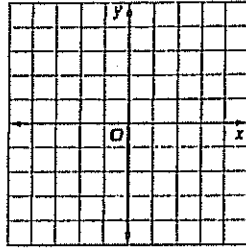


Graph the figure with the given vertices. Then graph the image of the figure after the indicated translation and write the coordinates of its vertices.

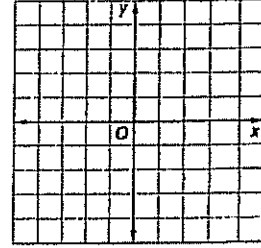
5. triangle *ABC* with vertices $A(-3, -1)$, $B(-4, -4)$, and $C(-1, -2)$ translated $(4, 1)$



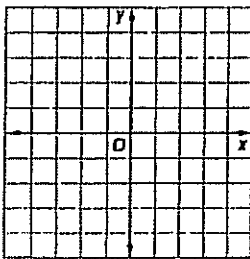
6. triangle *XYZ* with vertices $X(1, -2)$, $Y(3, -5)$, and $Z(4, 1)$ translated $(-5, 3)$



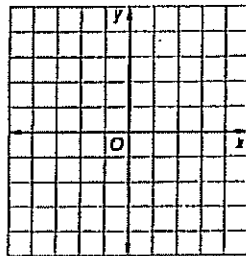
7. triangle *EFG* with vertices $E(1, 4)$, $F(-1, 1)$, and $G(2, -1)$ translated $(-3, -1)$



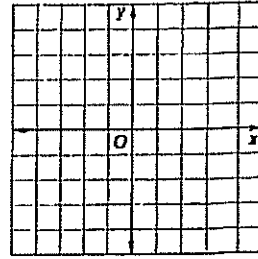
8. rhombus *WXYZ* with vertices $W(-4, 3)$, $X(-1, 1)$, $Y(2, 3)$, and $Z(-1, 5)$ translated $(2, -5)$



9. rectangle *QRST* with vertices $Q(-2, -4)$, $R(-2, 1)$, $S(-4, 1)$, and $T(-4, -4)$ translated $(3, 3)$



10. trapezoid *BCDE* with vertices $B(2, -1)$, $C(3, -3)$, $D(-3, -3)$, and $E(0, -1)$ translated $(-1, 4)$

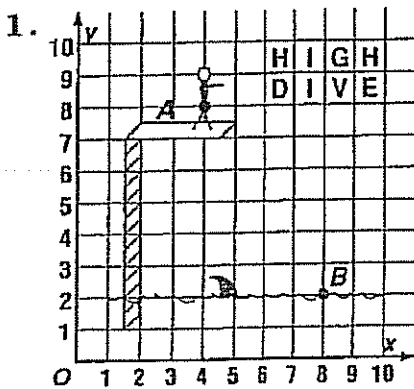


LESSON 6-8

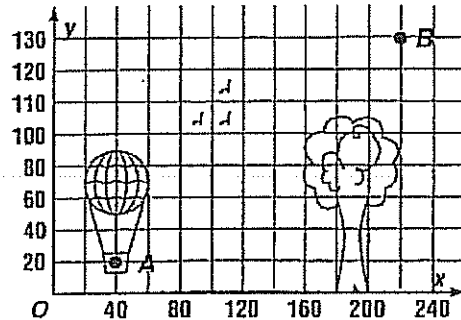
Practice Worksheet 11-8

Translations #2

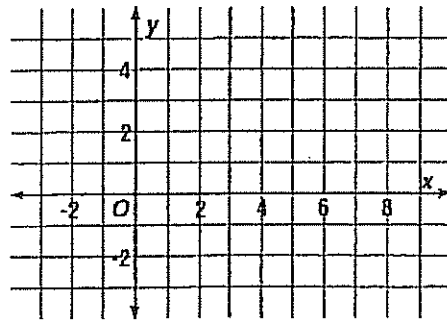
Name the coordinates of the ordered pair needed to translate each point A to point B.



2.

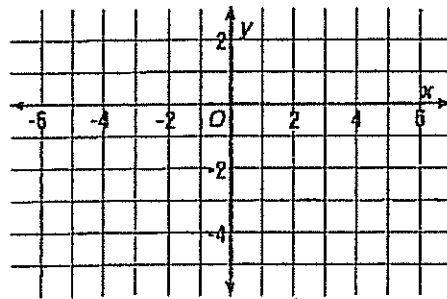


3. Translate $\triangle ABC$ with vertices $A(-1, 4)$, $B(0, 0)$, and $C(2, 3)$ five units right and two units down. Then graph $\triangle A'B'C'$.



4. Rectangle $QRST$ has vertices $Q(-1, -2)$, $R(-2, 1)$, $S(4, 3)$, and $T(5, 0)$. Find the coordinates of the vertices of $Q'R'S'T'$ after a translation described by $(1, -2)$.

5. The coordinates of the vertices of $\triangle ABC$ are $A(3, -1)$, $B(0, 2)$ and $C(3, -2)$. Find the coordinates of the vertices of $\triangle A'B'C'$, which is $\triangle ABC$ translated by $(-3, -2)$. Then graph $\triangle ABC$ and its translation.



6. Square $ABCD$ has vertex $A(-5, -12)$. When translated, A' has coordinates $(6, 10)$. Describe the translation using an ordered pair.