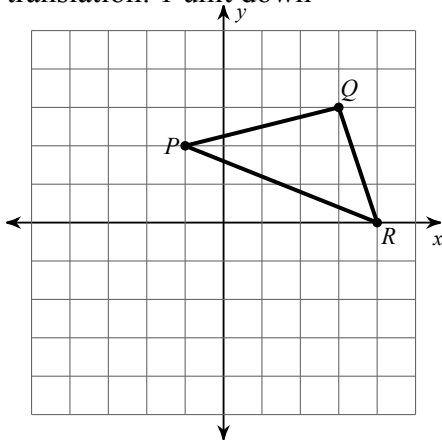
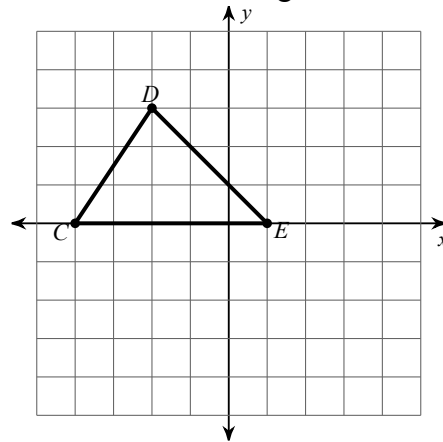


Find the coordinates of the vertices of each figure after the given transformation.

1) translation: 1 unit down

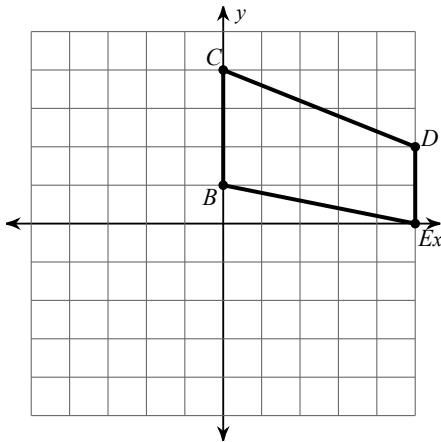


2) translation: 3 units right and 4 units down

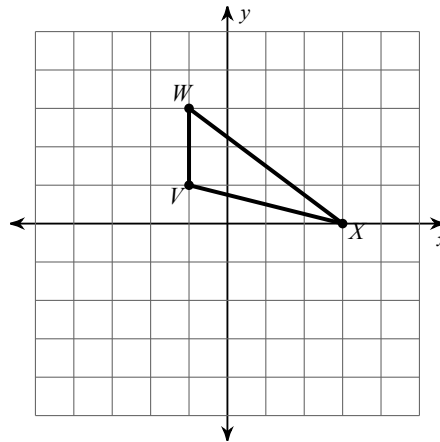


Graph the image of the figure using the transformation given.

3) translation: 4 units left and 5 units down

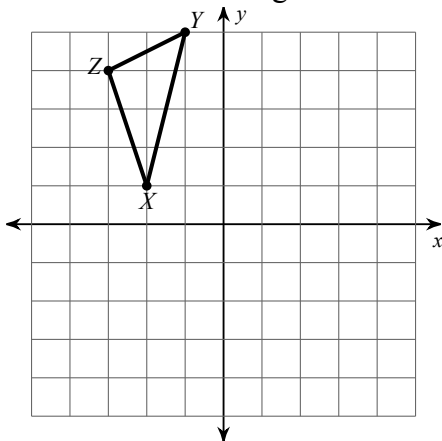


4) translation: 1 unit left and 3 units down

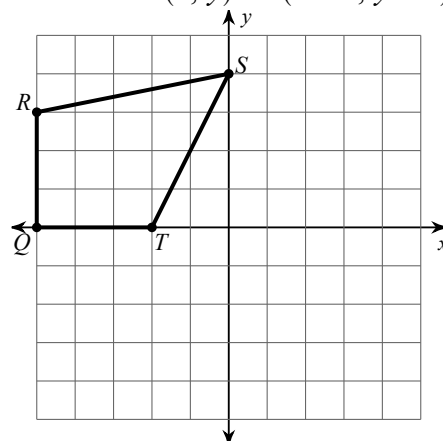


Find the coordinates of the vertices of each figure after the given transformation.

5) translation: 4 units right and 3 units down

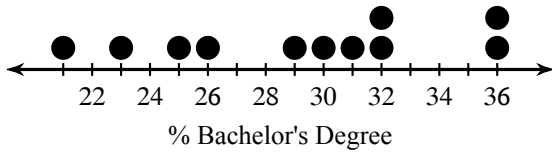


6) translation: $(x, y) \rightarrow (x + 2, y - 3)$

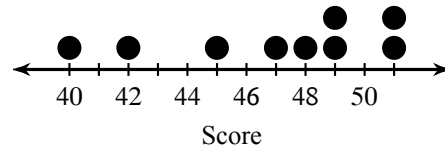


Find the mode, median, mean, Q1, Q3, and IQR for each data set.

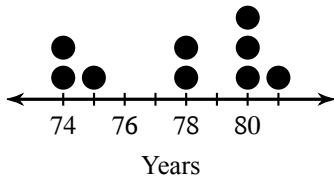
7) Educational Attainment by US State



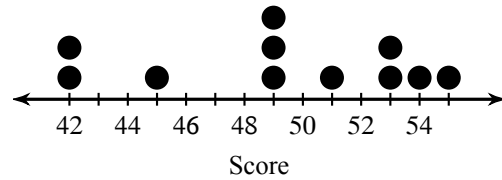
8) Test Scores



9) Life Expectancy by State



10) Test Scores



Solve each equation for the indicated variable.

11) $g = c - a$, for a

12) $g = cx$, for x

13) $ca = r - d$, for a

14) $a + k = w - v$, for a

15) $u = b - a + k$, for a

16) $c - a = r + d$, for a

17) $z = \frac{6x - 2}{y}$, for x

18) $z = 3 + 9x - 2y$, for x