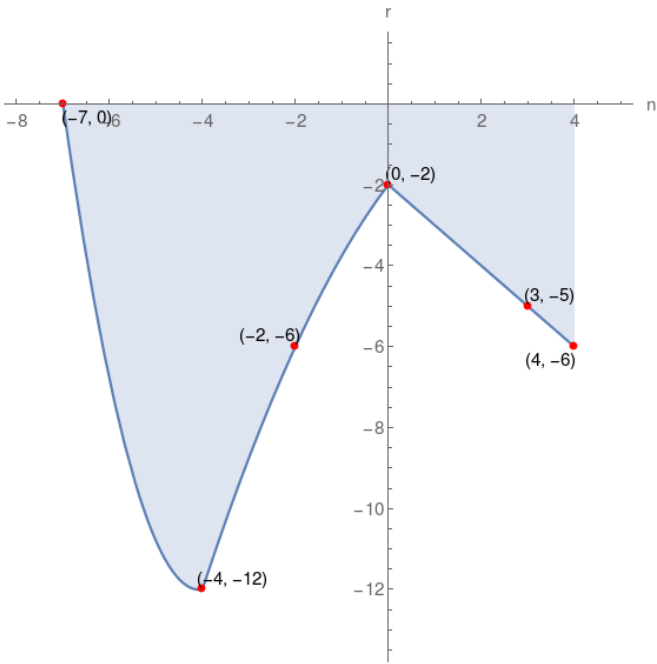


6. Given the graph of function  $r$ , which of the following choices is correct?



|                         |                            |                            |
|-------------------------|----------------------------|----------------------------|
| $r(0) = -1$             | $r(3)$ is positive         | domain of $r = [-7, 4]$    |
| $r(-7)$ is zero         | $r(-2) = -6$               | $r(4) = -6$                |
| range of $r = [-12, 0]$ | $r$ -intercept = $(0, -2)$ | $n$ -intercept = $(-7, 0)$ |

|                     |                            |                          |
|---------------------|----------------------------|--------------------------|
| $r(3) = -5$         | $r$ -intercept = $(0, -2)$ | $r(-7) = 0$              |
| $r(4) = -6$         | domain of $r = [-6, 5]$    | $r(0)$ is negative       |
| $r(-4)$ is negative | $n$ -intercept = $(-7, 0)$ | range of $r = [-13, -1]$ |

|                            |                            |                         |
|----------------------------|----------------------------|-------------------------|
| $r(-7)$ is zero            | range of $r = [-12, 0]$    | $r(-2) = -6$            |
| $r$ -intercept = $(0, -2)$ | $n$ -intercept = $(-7, 0)$ | $r(0) = -2$             |
| $r(-4) = -12$              | $r(4)$ is negative         | domain of $r = [-7, 4]$ |

|                            |                     |                            |
|----------------------------|---------------------|----------------------------|
| $r(-2) = -7$               | $r(4) = -6$         | range of $r = [-12, 0]$    |
| domain of $r = [-7, 4]$    | $r(-7) = 0$         | $n$ -intercept = $(-7, 0)$ |
| $r$ -intercept = $(0, -1)$ | $r(-4)$ is negative | $r(0)$ is negative         |

Solution

