

The deadline for all homework assignments is the one specified in Archie before 11:59 pm. As discussed in class, It must be correctly uploaded in order to be graded. Show all your work and justifications.

For Exercises 65–76, refer to the functions m , n , p , q , and r . Evaluate the function and write the domain in interval notation.

$$m(x) = \sqrt{x + 8} \quad n(x) = x - 5 \quad p(x) = x^2 - 9x \quad q(x) = \frac{1}{x - 10}$$

$$r(x) = |2x + 3|$$

65. $(n \circ p)(x)$

66. $(p \circ n)(x)$

67. $(m \circ n)(x)$

68. $(n \circ m)(x)$

69. $(q \circ n)(x)$

70. $(q \circ p)(x)$

71. $(q \circ r)(x)$

72. $(q \circ m)(x)$

73. $(n \circ r)(x)$

74. $(r \circ n)(x)$

75. $(n \circ n)(x)$

76. $(p \circ p)(x)$