

1)

| | | | | | | | |
|------------|--------------------------------|------------|---------------------------------|------------|----------------------------------|---------------|-----------------------------------|
| a) $2^0 =$ | <input type="text" value="1"/> | d) $2^3 =$ | <input type="text" value="8"/> | g) $2^6 =$ | <input type="text" value="64"/> | j) $2^9 =$ | <input type="text" value="512"/> |
| b) $2^1 =$ | <input type="text" value="2"/> | e) $2^4 =$ | <input type="text" value="16"/> | h) $2^7 =$ | <input type="text" value="128"/> | k) $2^{10} =$ | <input type="text" value="1024"/> |
| c) $2^2 =$ | <input type="text" value="4"/> | f) $2^5 =$ | <input type="text" value="32"/> | i) $2^8 =$ | <input type="text" value="256"/> | l) $2^{11} =$ | <input type="text" value="2048"/> |

2)

| | | | | | |
|------------------|---------------------------------|-----------------|--------------------------------|----------------|--------------------------------|
| a) $\lg(2048) =$ | <input type="text" value="11"/> | d) $\lg(256) =$ | <input type="text" value="8"/> | g) $\lg(32) =$ | <input type="text" value="5"/> |
| b) $\lg(1024) =$ | <input type="text" value="10"/> | e) $\lg(128) =$ | <input type="text" value="7"/> | h) $\lg(16) =$ | <input type="text" value="4"/> |
| c) $\lg(512) =$ | <input type="text" value="9"/> | f) $\lg(64) =$ | <input type="text" value="6"/> | i) $\lg(8) =$ | <input type="text" value="3"/> |

j) $\lg(4) =$

k) $\lg(2) =$

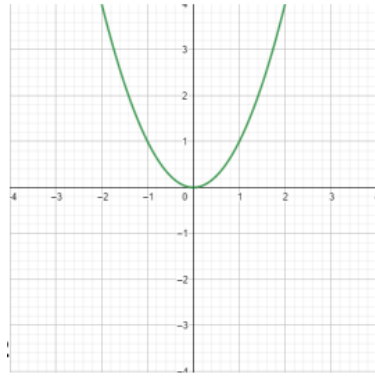
l) $\lg(1) =$

3)

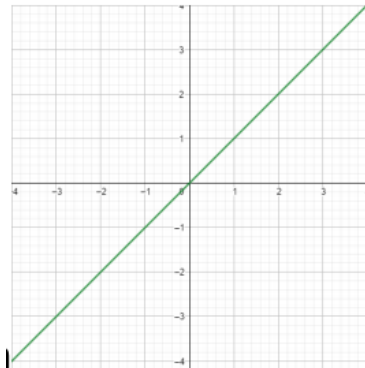
| | | | | | | | |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------------------------|--------------------------------|----------------------------------|
| a) $\lceil 4,01 \rceil =$ | <input type="text" value="5"/> | d) $\lfloor 4,99 \rfloor =$ | <input type="text" value="4"/> | g) $\lg(17) =$ | <input type="text" value="4,08"/> | j) $\lg(15) =$ | <input type="text" value="3,9"/> |
| b) $\lfloor 4,01 \rfloor =$ | <input type="text" value="4"/> | e) $\lceil \lg(16) \rceil =$ | <input type="text" value="4"/> | h) $\lceil \lg(17) \rceil =$ | <input type="text" value="5"/> | k) $\lceil \lg(15) \rceil =$ | <input type="text" value="4"/> |
| c) $\lceil 4,99 \rceil =$ | <input type="text" value="5"/> | f) $\lfloor \lg(16) \rfloor =$ | <input type="text" value="4"/> | i) $\lfloor \lg(17) \rfloor =$ | <input type="text" value="4"/> | l) $\lfloor \lg(15) \rfloor =$ | <input type="text" value="3"/> |

4)

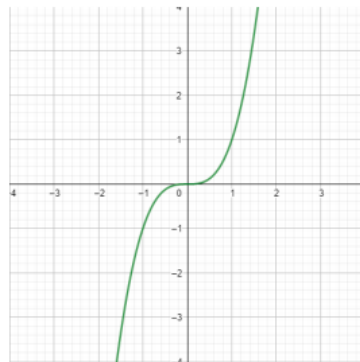
$$f(n) = n^2$$



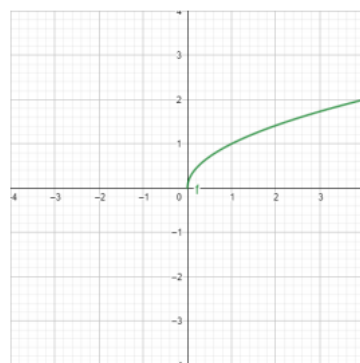
$$f(n) = n^2$$



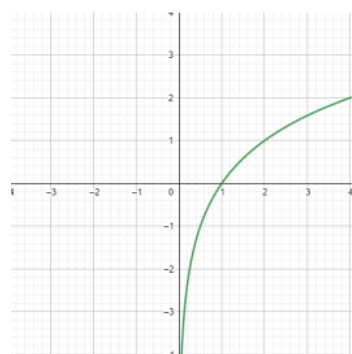
$$f(n) = n^3$$



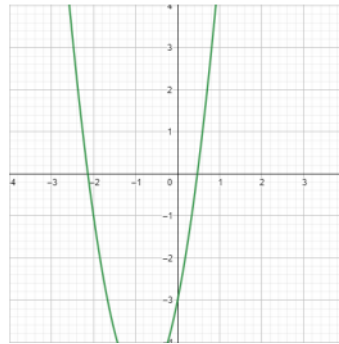
$$f(n) = \sqrt{n}$$



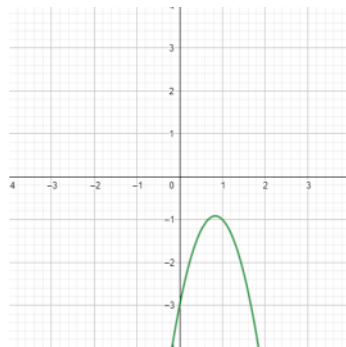
$$f(n) = \lg(n) = \log_2(n)$$



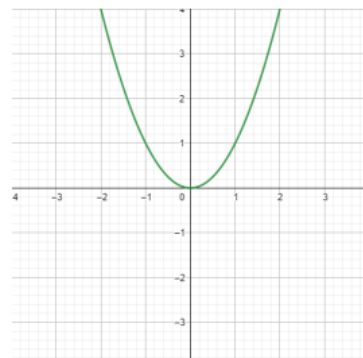
$$f(n) = 3n^2 + 5n - 3$$



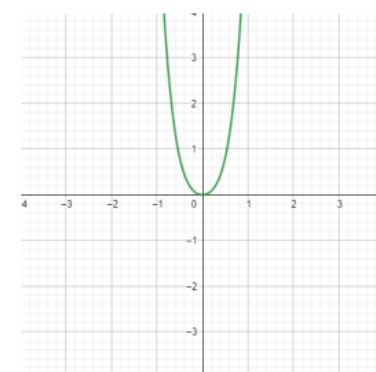
$$f(n) = -3^2 + 5n - 3$$



$$F(n) = | -n^2 |$$



$$F(n) = 5n^4 + 2n^2$$



$$F(n) = n * \lg(n)$$

