

Choose the correct answer in each of the following:

Section 1.2:

1. The function which represents a **polynomial** is

(a) $f(x) = x^3 - 2x + \frac{2}{3}$

(b) $f(x) = x^5 - x^{\frac{2}{3}} - 8$

(c) $f(x) = x^2 - x^e + 10$

(d) $f(x) = x^{-5} + 2x$

2. The function $f(x) = x^{\frac{3}{4}}$ is a/an

(a) rational function

(b) polynomial function

(c) power function

(d) exponential function

answers: 1-a, 2-c.