

3. Given the following polynomials:

$$P(x) = 2x^3 - 3x^2 + 4x - 2$$

$$Q(x) = x^4 - x^3 + 3x^2 + 4$$

$$R(x) = 3x^2 - 5x + 5$$

$$S(x) = 3x - 2$$

Find:

a) $P(x) + Q(x) =$

b) $P(x) + R(x) =$

c) $P(x) + S(x) =$

d) $S(x) + P(x) =$

e) $P(x) + P(x) =$