POLYNOMINALS

<\_\_\_question>

Type=1

<\_block>

If *(x + 3)* is a factor of polynomial *P(x),* what must the value of *P(-3)* ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[A]

<\_\_\_question>

Type=1

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*P(x)* has a double root at *x = 3* and a single root at *x = -1.* Which of these is a possible polynomial *P(x)* ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[B]

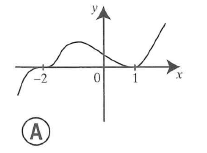
<\_\_\_question>

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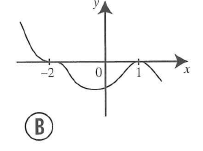
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A polynomial of degree 5 has a double root at *x = 1* and a triple root at *x = -2.* If *P(0)˂0,* which of these is the graph of *y = P(x)* ?

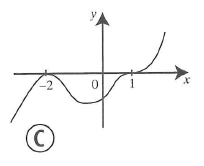
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[A]

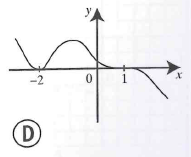
<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[B]

<\_\_\_question>

Type=1

<\_block>

What is the constant term of *P(x)* x *Q(x)* ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[B]

<\_\_\_question>

Type=1

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Which of these is **not** a factor of 210 ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[B]

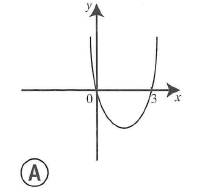
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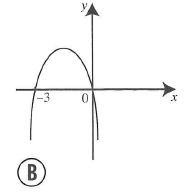
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Which of these is the graph of *y = x² - 3x* ?

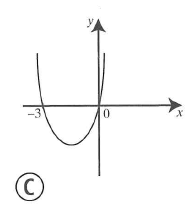
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[A]

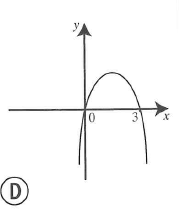
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[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[A]

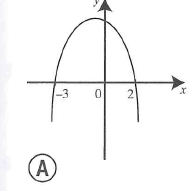
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Type=1

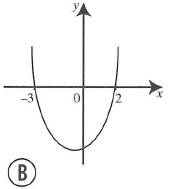
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If *P(x) = (x – 3)(x + 2*), which of these is the graph of *y = P(x)* ?

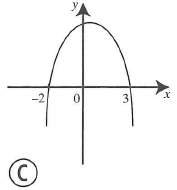
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[A]

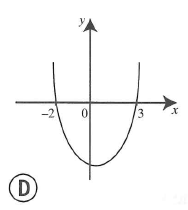
<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[D]

<\_\_\_question>

Type=1

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If *x² + x + 2 = (x + 3)(x – 2) + R(x),* which of these is the remainder of *R(x)* ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[C]

<\_\_\_question>

Type=1

<\_block>

Which of these is the leading term of *3x² - 6x³ - 4x⁵ + 2* ?

<\_block>

[A] *3x²*

<\_block>

[B] *- 6x³*

<\_block>

[C]

<\_block>

[D]

<\_block>

[C]

<\_\_\_question>

Type=1

<\_block>

Which of these is the remainder when 420 is divided by 19

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[A]