

Show all work like the notes. Write your partners name on the dotted line next to the problem number.

<p>[2]</p> <hr style="border-top: 1px dashed black;"/> <p>A) $\frac{x^2 + 2x - 35}{8x^2 + 56x}$</p> <hr style="border-top: 1px dashed black;"/> <p>B)</p> <hr style="border-top: 1px dashed black;"/> <p>A) $x \neq -7, 0$ B) $\frac{x-5}{8x}$</p>	<p>[7]</p> <hr style="border-top: 1px dashed black;"/> <p>$(9x^3 + 15x^2 - 8) \div (3x - 1)$</p> <hr style="border-top: 1px dashed black;"/> <p>Ans: $3x^2 + 6x + 2 - \frac{6}{3x-1}$</p>	<p>[10]</p> <hr style="border-top: 1px dashed black;"/> <p>$(x^2 + 2x + 4) \div (x - 1)$</p> <hr style="border-top: 1px dashed black;"/> <p>Ans: $x + 3 + \frac{7}{x-1}$</p>
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<p>[4]</p> <hr style="border-top: 1px dashed black;"/> <p>$\frac{x^2 - 36}{2x^2 + 15x + 18} \cdot \frac{2x^2 + 5x + 3}{6 - x}$</p> <hr style="border-top: 1px dashed black;"/> <p>Answer: $-(x + 1)$</p>	<p>[9]</p> <hr style="border-top: 1px dashed black;"/> <p>$\frac{15x^5 + 135x^4}{2x^2 + 8x + 6} \div \frac{6x^3 - 54x^2}{x^2 - 9}$</p> <hr style="border-top: 1px dashed black;"/> <p>Answer: $\frac{5x^2(x+9)(x-3)}{4(x+1)(x-9)}$</p>
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