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| **Critically Thinking & Justifying Solutions**  **Find the quotient:**  **(3*x*2 – 4*x* – 7) ÷ (*x* + 1)**    **Explain your process.**  **Alg1.2** | **Critically Thinking & Justifying Solutions**  **List two ordered pairs that are solutions to this system of inequalities.**  ***y ≤* 2*x* – 3**  ***y ≥ -*2*x* + 1**  **Justify your solutions.**  **Alg1.5d** |  |
| **Critically Thinking & Justifying Solutions**  **Line *p* has an *x*-intercept of 6 and a *y*-intercept of 3.**  **Find the slope of line *p*.**  **What is an equation for line *p*?**  **Explain your process.**  **Alg1.6a** | **Critically Thinking & Justifying Solutions**  **Find the slope of the line passing through the point (-3, 4) with an *x*-intercept of 3.**   |  |  | | --- | --- | |  |  |   **Explain your process.**  **Alg1.6a** |  |
| **Critically Thinking & Justifying Solutions**  **Find the values of f(x) = 4x2 + 2x – 3 for the domain values { -2, 3}**  **Explain your process.**  **Alg1.7e** | **Critically Thinking & Justifying Solutions**  **Find the zeros of the function.**  ***f*(*x*) = 36*x*2 – 49**  **Explain your process.**  **Alg1.7c** |  |
| **Critically Thinking & Justifying Solutions**  **Simplify the following expression.**  **(3x-2*y*2)-3 (4*x*-2)**  **Explain your process.**  **Alg1.2** | **Critically Thinking & Justifying Solutions**  **Find the values of *f*(*x*) = 4*x*2 – 9 for the domain values of {-3, 5}**  **Explain your process.**  **Alg1.7e** |  |
| **Critically Thinking & Justifying Solutions**    **Solve the equation.**  ***T* = 5*p* – 7*ap* for *p***  **Explain your process.**  **Alg1.4** | **Critically Thinking & Justifying Solutions**  **Find the roots of the function.**  ***f*(*x)* = 6*x*2 – 19*x* + 15**  **Explain your process.**  **Alg1.4** |  |
| **Critically Thinking & Justifying Solutions**   1. **Write the equation of the line.** 2. **Graph the line.**   **Passes through the point (3, -2) and has an x-intercept of 2**  **Explain your process.**  **Alg1.6** | **Critically Thinking & Justifying Solutions**  **Solve and graph on a number line.**  **4.2(6 – *x*) ≤ 12.6**  **Explain your process.**  **Alg1.5** |  |
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