Name: _____

1. [**3 points**] Simplify $\dfrac{2x + b - 3}{x - 4} - \dfrac{x + 5}{3x}$.

2. [**2 points**] Simplify $\dfrac{5x^{3/2}}{x} + \sqrt{x}$.

3. [**2 points**] Find all solutions to the equation $x^2 + 6x - 40 = 0$.

4. [**3 points**] Find all solutions to the equation $6 = t + \sqrt{76 - 15t}$.

5. Have you taken a calculus class before?

6. If you could have dinner with any person dead or alive, who would it be, and why?