

Must show all steps and all work to earn full credit.

Use the quadratic formula to solve the equation.

1) $3n^2 = -8n - 3$

Use the quadratic formula to solve the equation.

2) $8x^2 + 7x = -2$

3) $x^2 + x + 6 = 0$

Solve the equation.

4) $\frac{2}{3x} - \frac{2}{x+2} = 1$

Solve the equation for the indicated variable. (Leave \pm in your answer, when appropriate.)

5) $A = \frac{1}{3}\pi r^2$ for r