

8. Graph the function $y = \frac{x^2 + x - 6}{x + 1}$.

9. *Physics* The illumination *I* from a light source is given by the formula $I = \frac{k}{d^2}$, where *k* is a constant and *d* is distance. As the distance from the light source doubles, how does the illumination change? It decreases by one fourth.

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