2. Solve $\frac{1}{x} - \frac{2}{x-1} = \frac{x}{x^2-x}$.

3. Suppose that a passenger train can travel 15 miles per hour faster than a certain freight train. If the passenger train can cover 400 miles in the same time that the freight train covers 250 miles, how fast is each train?

13.4 Exercises

1. Solve $\frac{x}{3} = \frac{x}{2} - 2$.

2. Solve $-\frac{2}{x+2} - 3 = \frac{x}{x+2}$.

3. Solve $\frac{x}{x^2-3x+2} = \frac{2x}{x-2} + 1$.

4. Suppose it takes Ariane 8 hours to row back and forth to a bridge 6 miles away from her camp when the current is 1 mile an hour. How fast would she row in still water?