

Partial Fractions and Algebraic Solving
This set is due Wednesday the 16th

So: Here are some partial fractions:

1. $\frac{2y}{(y-1)(y+2)}$

2. $\frac{4}{(y+1)(y-2)}$

3. $\frac{1}{(3y^2-y)}$

Here are some manipulations solve for y and t separately, state what values of y and t are allowed and what's forbidden (if anything):

4. $y^2 + 4t^2 = 16$

5. $4y^2 - 3y + t^2 = 5$

6. $y^2t^2 + 2y + 5t^2 - yt^2 + 5 = 1$

7. $\frac{t}{y^2+2y+1} = t - 1$

8. $\frac{y^2-3}{t} = 2t + \frac{y}{t} - 6$