

UB SAT 2009  
Homework #2  
Arithmetic Review  
*Due: Thurs, Feb 9*

Solve for  $y$ . Show all work to receive full credit.

1.  $\frac{y}{10} = \frac{16}{5}$

2.  $\frac{3y}{7} = \frac{18}{14}$

3.  $\frac{18}{5} = \frac{8y+4}{10}$

4.  $\frac{y+3}{4} = \frac{4y}{8}$

5.  $\frac{8}{2y-5} = \frac{24}{2y+1}$

6.  $\frac{3}{11-y} = \frac{6}{y+1}$

7.  $\frac{7}{2y} = \frac{1}{3}$

8.  $\frac{3}{8} = \frac{2y}{9}$

9.  $\frac{3y}{y+2} = \frac{1}{2}$

10.  $\frac{2}{3y-5} = \frac{1}{y+2}$

11.  $\frac{y+7}{4y-3} = \frac{1}{2}$

12.  $\frac{2}{3} = \frac{2y-1}{4y+5}$