

Algebra Skills Review

2 POINTS EACH – NO PARTIAL CREDIT – NO CALCULATORS

1 Solve for x in $2x(x + 4) = 15$

2 Simplify $\frac{5 + \frac{3}{2}}{1 - \frac{7}{3}}$ into a single fraction.

3 Combine $\frac{y^2 + 3}{2y} - \frac{2y - 1}{y^2}$ into a single fraction and simplify.

4 Solve for x in $2^{3x-1} = \frac{1}{4}$

5 Solve the system of equations:
 $2y - 3x = 8$
 $3y + 2x = -1$