

## Math Worksheet

## Algebraic equations

## Grade 9-10

Solve the equations

1. 
$$\frac{2x-5}{4x-7} = \frac{11x+28}{14x-6}$$

2. 
$$\frac{2x-18}{7x+1} = \frac{3x-18}{9x-9}$$

3. 
$$\frac{20x-2}{3x-7} = \frac{7x-5}{5x-28}$$

4. 
$$\frac{32x-30}{15x+1} = \frac{3x+37}{x-9}$$

5. 
$$\frac{3x+7}{4x-9} = \frac{8x+35}{2x-30}$$

6. 
$$\frac{8x-7}{5x-15} = \frac{x-17}{8x+18}$$

7. 
$$\frac{3x+7}{4x-6} = \frac{8x+18}{12x+27}$$