# Algebra 1



### **Section 1.8 Solving equations**

# Text & Tests 6



#### **Solving linear equations**

## **Example 1**

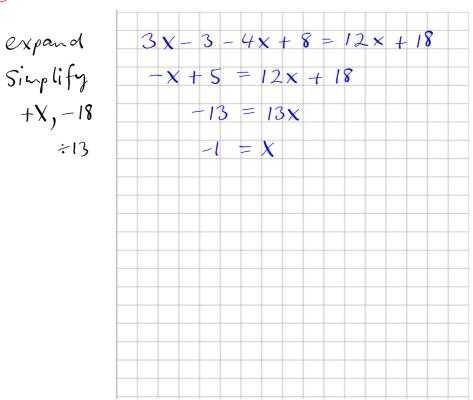
Solve the linear equation  $\frac{2t-3}{5} + \frac{1}{20} = \frac{t-1}{4}$ .

3. Solve each of these equations.

(iii) 
$$3(x-1) - 4(x-2) = 6(2x+3)$$
 (iv)  $3(x+5) + 2(x+1) - 3x = 22$ 

(iv) 
$$3(x+5) + 2(x+1) - 3x = 22$$

÷13



5. Find the value of the unknown in each of the following equations:

(i) 
$$\frac{2a}{3} - \frac{a}{4} = \frac{5}{6}$$

(i) 
$$\frac{2a}{3} - \frac{a}{4} = \frac{5}{6}$$
 (ii)  $\frac{b+2}{4} - \frac{b-3}{3} = \frac{1}{2}$  (iii)  $\frac{3c-1}{6} - \frac{c-3}{4} = \frac{4}{3}$ 

(iii) 
$$\frac{3c-1}{6} - \frac{c-3}{4} = \frac{4}{3}$$

