

## STATION R

Evaluate.

a)  $\frac{-5}{6} + \frac{3}{5}$

b)  $\frac{1}{3} - \left(\frac{-1}{12}\right)$

c)  $\frac{-3}{16} \left(\frac{8}{15}\right)$

d)  $\frac{1}{4} \div \frac{1}{32}$

e)  $\frac{5}{10} + \frac{2}{4} - \left(\frac{2}{6} \times \frac{1}{3}\right)$

## STATION E<sub>1</sub>

Simplify.

$$\text{a) } -\frac{1}{4}(4w - 6) - \frac{3}{5}(6w - 10)$$

$$\text{b) } 4x - (3x - 1) - 3 + 6(x - 2)$$

## STATION V

Solve.

$$\text{a) } 5(x - 3) - 2x = -6$$

$$\text{b) } 4y - (3y - 1) = 6(y - 2)$$

$$\text{c) } \frac{2m+1}{3} - \frac{m+1}{4} = 3$$

## STATION I

a) Solve the system by the method of substitution.

$$11x - y = 21$$

$$9x + 2y = -11$$

b) Solve the system by the method of elimination.

$$x + 2y = -4$$

$$3x - 4y = 18$$

## STATION E<sub>2</sub>

Simplify.

a)  $\left(\frac{2x^2}{3}\right)\left(\frac{5x^3}{4}\right)$

b)  $(2x^2y^3)^3(4xy^2)$

c)  $\left(\frac{3x}{2}\right) \div \left(\frac{x^3}{5}\right)$

d)  $(25x^3y^3) \div (5x^2y)$

e)  $(2b - 1)(5b + 3)$

f)  $(x - 6)^2$

g)  $(3m - 2)(3m + 2)$

## STATION W

Factor.

a)  $7t^2 - 14t^3$

b)  $4xy - 2xz + 10x$

c)  $25x^2 - 9$

d)  $a^2 - 7a + 10$

e)  $6m^2 - m - 12$

f)  $16z^2 - 24z + 9$