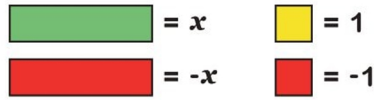
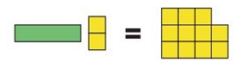
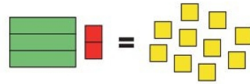
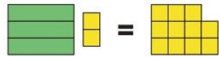
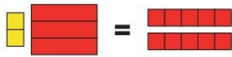


Here are the algebra tiles we will be using:



### Section A

1) Match each diagram to the correct equation.



$3x + 2 = 11$

$x + 2 = 11$

$2 - 3x = -10$

$3x - 2 = 10$

2) Draw algebra tiles to represent each equation.

$4x - 5 = 3$

$-5 = 2x - 3$

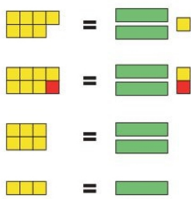
$9 - 4x = 5$

### Section B

Solve each equation using the algebra tiles.

Example

$7 = 2x + 1$



$x = 3$

$7 = 2x + 5$



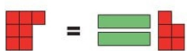
$x = \underline{\hspace{2cm}}$

$7 = 2x - 5$



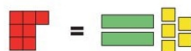
$x = \underline{\hspace{2cm}}$

$-7 = 2x - 5$



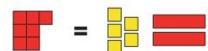
$x = \underline{\hspace{2cm}}$

$-7 = 2x + 5$



$x = \underline{\hspace{2cm}}$

$-7 = 5 - 2x$



$x = \underline{\hspace{2cm}}$