



Simplify

$$8w(2w + 3) - 3w(2 - 3w)$$

$$16w^2 + 24w - 6w + 9w^2$$

$$25w^2 + 18w$$

Solve  $x^2 + 11x + 28 = 0$

$$(x + 4)(x + 7) = 0$$

$$x = -4 \text{ or } x = -7$$

The rope on a roll is  $4\frac{1}{2}$  m long.Nina wants 20 pieces of rope  
 $\frac{5}{8}$  m long.

How many rolls of rope are needed?

$$\frac{20}{1} \times \frac{5}{8} = \frac{100}{8} = 12\frac{1}{2}$$

Rolls	1	2	3
Length	4.5	9	13.5

3 rolls

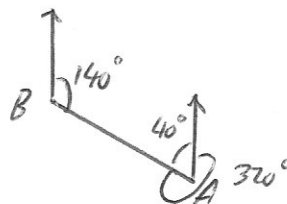
£400 is invested into an account that  
pays 10% compound interest per  
annum.How much money will there be after 3  
years?

$$400 \times 1.1^3$$

$$£532.40$$

The bearing of A from B is  $140^\circ$ 

What is the bearing of B from A?

 $320^\circ$