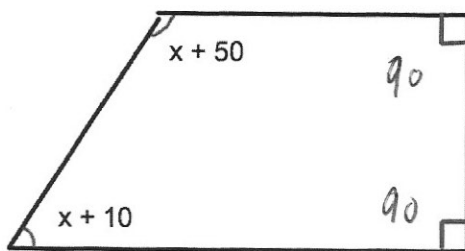


Factorise fully $4mn - 16m^2$

$$4m(n - 4m)$$



Calculate the size of the largest angle in the trapezium.

$$2x + 60 + 90 + 90 = 360$$

$$2x = 120$$

$$x = 60$$

$$\boxed{110^\circ}$$

Work out

$$\frac{3 \times 10^6}{5 \times 10^2}$$

write your answer in standard form

$$0.6 \times 10^4$$

$$\boxed{6 \times 10^3}$$

The n th term of a sequence is $2n^2 - 1$ Work out the difference between the 10th and 20th terms of the sequence.

$$2 \times 10^2 - 1 = 199$$

$$2 \times 20^2 - 1 = 799$$

$$799 - 199 = \underline{600}$$

Megan has 102 books.
This number of books is 70% more than the number she had last month.

How many books did Megan have last month?

$$170\% = 102 \text{ books}$$

$$1\% = 0.6 \text{ books}$$

$$100\% = \underline{60 \text{ books}}$$