



Factorise

$$x^2 - y^2$$

Write 5250×10^{-12} in standard form.

In February, a website had 90% more views than it did in January.

In March, the website had 5% less views than it did in February.

In March, the website had 45125 views.

How many views did the website have in January?

Line 1 has gradient 8 and passes through the point (3, 10).

What is its equation?

Write down the equation of a line perpendicular to line 1.

$$(x + 9)(x - 2)(x + 1) \equiv x^3 + ax^2 - 11x + b$$

Find a and b.