



Work out

$$3^{-2}$$

Give your answer as a fraction.

$$\frac{1}{3^2} = \frac{1}{9}$$

Solve the inequality  $3x + 8 \leq 50$ 

$$3x \leq 42$$

$$x \leq 14$$

Expand and simplify

$$5(3x + 2) - 3(2x - 5)$$

$$15x + 10 - 6x + 15$$

$$9x + 25$$

Shown is part of a regular polygon.  
How many sides does it have?

$$360 \div 6 = 60^\circ \text{ sides}$$

There are 25 students in class 1.  
There are 15 students in class 2.

Both classes sit the same test.

The mean mark in class 1 is 80%.  
The mean mark in class 2 is 90%

Work out the overall mean for both classes.

$$25 \times 80 = 2000$$

$$15 \times 90 = 1350$$

$$\hline 3350$$

$$3350 \div 40 = 83.75\%$$