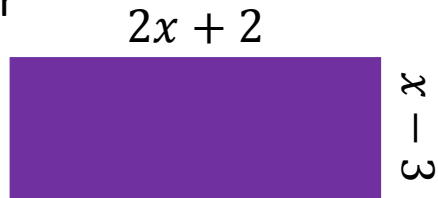1) Expand and Simplify

$3(2x + 1) + 4(3x - 3)$

2) Write an expression for

a) Area

b) Perimeter.

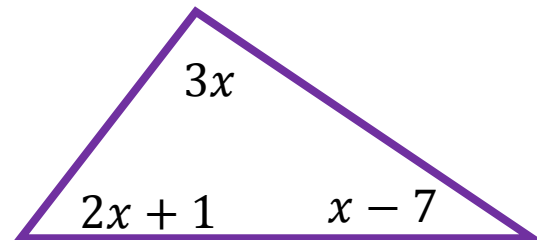$2x + 2$

$x - 3$

3) Factorise the expression
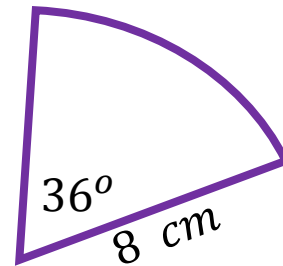
$8xt + 20xy - 16x^2$

4)Calculate the value of x

$3x$

$2x + 1$ $x - 7$

4)Calculate the value for the graph $y = x^2 + 2x$

x	-3	-2	-1	0	1	2
y						

5) a) What fraction of a full circle is the sector? (Use angles)

36°

$8\ cm$

b) Find the area of the sector.

c) What is the length of the arc?