Solve

1)
$$x + 3 > 7$$

3)
$$6x \le 12$$

$$2) \quad x - 5 \geqslant 10$$

4)
$$-3\alpha > 12$$

STEP () FORM & SOLVE INEQUALITIES

Three more than double my number is greater than 10.

Form an inequality & solve.

$$2x+3>10$$

STEP | UNKNOWNS ON BOTH SIDES

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

$$4 = 2x \quad x = 2$$

1)
$$2x + 1 = 4x - 3$$
 4) $5(x + 3) = 3(x + 9)$

$$4 = 2x \quad x = 2$$
 $5x + 15 = 3x + 27$

$$2x = 12$$

$$\chi = 6$$

2)
$$6x + 2 = 2x + 14$$

$$4x = 12$$
 $x = 3$

$$\Sigma = \infty$$

$$3)7x+9=2x-16$$

$$\chi = -5$$

$$4)5(x+3)=3(x+9)$$

$$5x+15=3x+27$$

$$2x = [2]$$

$$X = 6$$

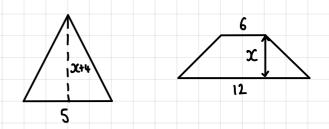
$$5)2(9-x) = 3(x+16)$$

$$18-2x=3x+48$$

$$-30 = 5x$$

$$x = -6$$

STEP / COMPLEX EQUATIONS/INEQUALITIES



The area of the trapezium is double the area of the triangle. Work out the area of both shapes.