SOLVING EQUATIONS

1. Solve the equations

(a) $3x = 12$

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Answer x = ...

(b) $y + 7 = 13$

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Answer y = ...

(c) $8z - 5 = 11$

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Answer z = ...

(d) $3(w - 2) = 9$ (Expand brackets first)

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Answer w = ...

2. Kris is x years old.
Jodie is 5 years younger than Kris.
Their **combined ages** add up to 41 years.

Form an equation in x and solve it to find Kris's age.

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Answer...years

3. Solve the equation $\dfrac{y}{3} + 5 = 9$

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Answer $y =$..

4. Solve the equation $5x + 4 = 3x + 7$

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Answer $x = $ ....

5. The angles of a quadrilateral are $73°$, $2x°$, $3x°$ and $102°$.
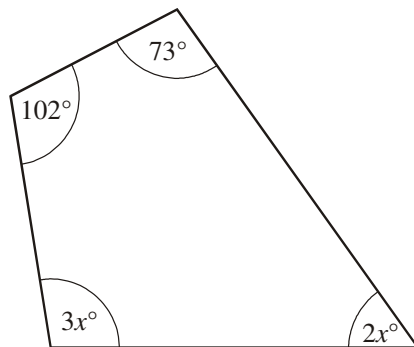
Not drawn accurately

(a) Write down an equation in x. (Hint : Angles in a quadrilateral total 360º)

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(b) Use your equation to find the largest angle in the quadrilateral.

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Answer .... degrees