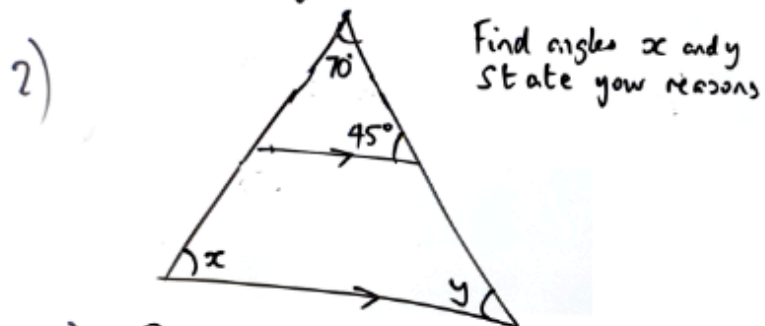


Ext Questions

- 1) A regular polygon has an internal angle of 162°
How many sides does it have?



3) Simplify $\frac{4m}{3} - 7$

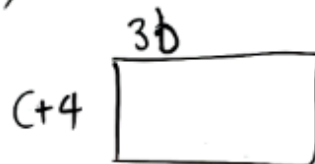
4) $\frac{mn}{t} + 3 = r$ (Make "n" the subject)

5) Factorise

a) $12x^2y + 8y$

b) $ab - ac - 3b + 3c$

- 6) Write an expression for
a) the area
b) the perimeter
(simplify)



7) a) Evaluate $5^7 \div 5^4$

b) Simplify $(3^4)^3 \times 3^7 \div 3^2$

c) Evaluate 4^{-3}

8) Evaluate c) $\sqrt{169}$ b) $\sqrt{196}$ c) Estimate $\sqrt{175}$

9) Simplify

a) $\frac{a^7 \times a^3}{a^4}$

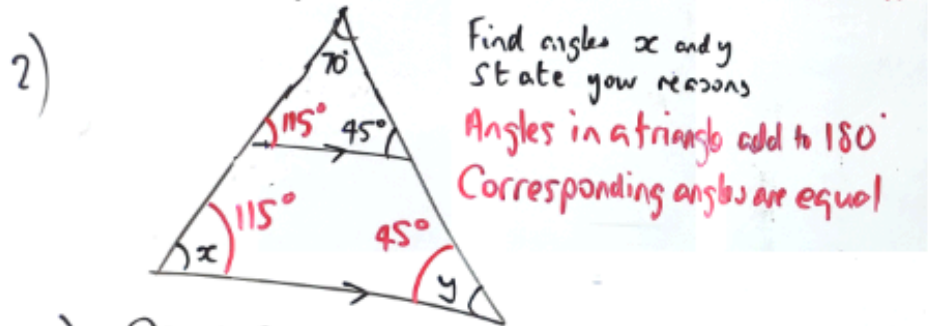
b) $(d^4)^7$

c) $(e^4)^3 \div (e^2)^{10}$

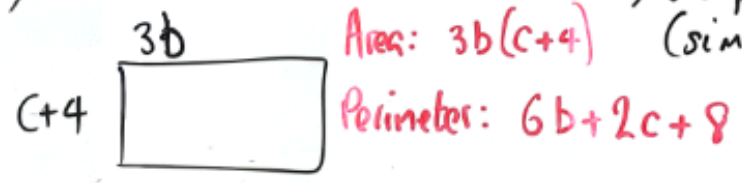
Exit Questions

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1) A regular polygon has an internal angle of 162°
 How many sides does it have? $E = 180 - 162 = 18^\circ$
 $360 / 18 = 20 \text{ sides}$



6) Write an expression for a) the area
 b) the perimeter (simplify)



3) Simplify $\frac{4m}{3} - 7 \Rightarrow \frac{4m+21}{3}$

7) a) Evaluate $5^7 \div 5^4 = 5^2 = 25$

b) Simplify $(3^4)^3 \times 3^7 \div 3^2 = 3^{17}$

c) Evaluate $4^{-3} = \frac{1}{4^3} = \frac{1}{64}$

4) $\frac{mn}{t} + 3 = r$ (Make "n" the subject)
 $n = \frac{t(r-3)}{m}$

8) Evaluate a) $\sqrt{169} = 13$ b) $\sqrt{196} = 14$ c) Estimate $\sqrt{175} \approx 13.3$

5) Factorise
 a) $12x^2y + 8y = 4y(3x^2 + 2)$
 b) $ab - ac - 3b + 3c = (a-3)(b-c)$
 $a(b-c) - 3(b-c)$

a) Simplify
 a) $\frac{a^7 \times a^3}{a^4} = a^6$ b) $(d^4)^7 = d^{28}$ c) $(e^4)^3 \div (e^2)^{10} = e^{-8}$