

ACTION

Revision Material



[http://corbettmaths.com/contents/Video 111 & 111a](http://corbettmaths.com/contents/Video%20111%20&%20111a)

RESPONSE

Fluency



1) $\frac{a+8}{a} = 9$

2) $\frac{2(3-b)}{3b} = 2$

3) $\frac{c}{6} + \frac{c}{2} = 5$

Solve the equations

4) $\frac{d+3}{2} - \frac{d+2}{3} = 2$

5) $\frac{e+3}{3} + \frac{e-1}{2} - \frac{3e}{8} = -5$

6) $\frac{4}{y+10} + \frac{4}{3y+30} = \frac{1}{3}$

7) $\frac{f+5}{4} + \frac{f}{5} = \frac{5-3f}{10}$

8) $\frac{g}{g+2} = \frac{3}{g+4}$

9) $\frac{h}{2h-3} + \frac{4}{h+1} = 1$

Reasoning



Solve $\frac{5}{2a} + \frac{22}{4a} = 2$

Use your answer to solve the following

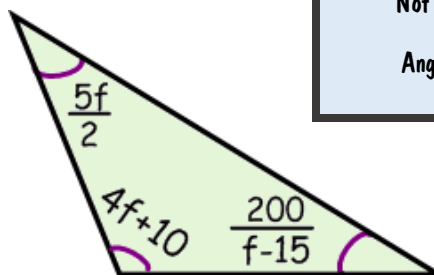
$$\frac{5}{2(b+1)^2} + \frac{22}{4(1+b)^2} = 2$$

Problem Solving



What type of triangle is this?

You must show all your working.



Not drawn to scale.

Angles in degrees.



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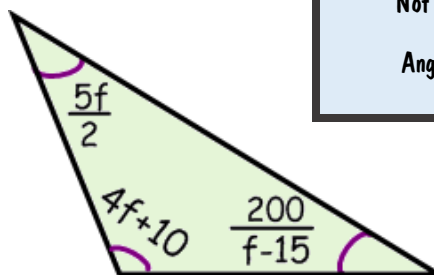
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