



5th February

Make w the subject

$$g = \frac{w}{w-5}$$

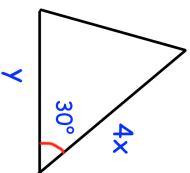
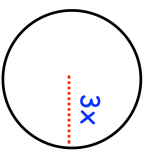
4 blue socks and 6 black socks are in a drawer.  
Keith takes out two socks at random.  
Work out the probability that Keith takes out two socks of the same colour.

Given

$$f(x) = \frac{8x-1}{5}$$

find

$$f^{-1}(x)$$



The areas of the circle and triangle are equal.  
Express y in terms of x.

Find the reciprocal of

$$1.2\bar{3}\bar{5}$$



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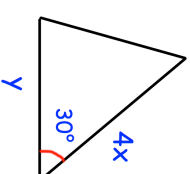
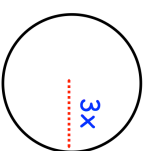
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