



Which equation has solutions which are rational?

$$\frac{5y^2}{3} = 12 \quad \frac{5y^2}{7} = 17 \quad \frac{5y^2}{2} = 10$$

Write down the gradient of a line that is perpendicular to the line $y = 2x$

Write down the equation of a line perpendicular to $y = 2x$

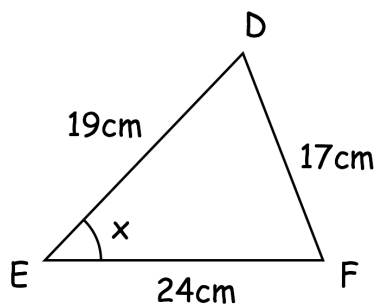
A is inversely proportional to the square of B.

When $A = 10$, $B = 4$.

Find A when $B = 10$

Simplify

$$\frac{x^2 + 8x + 15}{x^2 - x - 12}$$



Find the size of angle DEF