Name: _____ 5-a-day Higher

23rd May

Corbettmaths

$49^{\frac{1}{2}}$

$\sqrt{49} = 7$

Solve

$4x^2 - 25 = 0$

$(2x - 5)(2x + 5) = 0$

$x = 2.5$ or $x = -2.5$

Simplify

$$\frac{5x^2 - 13x + 8}{x^2 - 1}$$

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

$\frac{5x-8}{x+1}$

Number of goals	0	1	2	3
Probability	0.4	0.3	0.2	0.1

$P(\text{scoring}) = 0.6$

What is the probability David scores in two consecutive games?

$0.6 \times 0.6 = 0.36$

$xy = a$ where a is a constant

Select the correct statement

$y = \frac{a}{x}$

y is directly proportional to x

x is directly proportional to y

y is directly proportional to $\frac{1}{x}$

y is inversely proportional to $\frac{1}{x}$