

Cut out all 16 cards. Sort them into two piles: **TRUE & FALSE**

A $y = 3x + 5$ $x \xrightarrow{\times 3} \xrightarrow{+5} y$	B $\frac{x+4}{2} = y$ $x \xrightarrow{\div 2} \xrightarrow{+4} y$	C $y = \frac{x}{3} - 6$ $\xrightarrow{\div 3} \xrightarrow{-6}$	D $y = \frac{2x+7}{4}$ $\xrightarrow{\times 2} \xrightarrow{+7} \xrightarrow{\div 4}$
E $x \xrightarrow{\div 3} \xrightarrow{-7} y$ $x = \frac{y-7}{3}$	F $x \xrightarrow{-4} \xrightarrow{\times 7} y$ $y = 7x - 4$	G $y = 2x + 3$ $\xrightarrow{\times 2} \xrightarrow{+3} \xrightarrow{\div 2} \xrightarrow{-3} x = \frac{y-3}{2}$	H $y = \frac{x}{4} - 5$ $\xrightarrow{\div 4} \xrightarrow{-5} \xrightarrow{\times 4} \xrightarrow{+5} x = 4y + 5$
I $y = 3x + 1$ $x = \frac{y-3}{1}$	J $y = 5x^2$ $\xrightarrow{Sq} \xrightarrow{\times 5} \xrightarrow{\div 5} x = \sqrt[5]{y}$	K $y = \frac{x}{4} + 6$ $x = 4y - 24$	L $y = 3(x+3)$ $x = \frac{y-6}{3}$
M $\frac{2x+3}{4}$ $\xrightarrow{\times 3} \xrightarrow{+2} \xrightarrow{\div 4}$	N $y = 3x^2 + 7$ $\xrightarrow{Sq} \xrightarrow{\times 3} \xrightarrow{+7} \xrightarrow{\div 3} \xrightarrow{-7} x = \sqrt{\frac{y-7}{3}}$	O $y = \sqrt{2x}$ $x = 2y^2$	P $y = \frac{3x^2}{4}$ $x = \sqrt{\frac{4y}{3}}$

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M $\frac{2x+3}{4}$ $\xrightarrow{\times 3} \xrightarrow{+2} \xrightarrow{\div 4}$	N $y = 3x^2 + 7$ $\xrightarrow{Sq} \xrightarrow{\times 3} \xrightarrow{+7} \xrightarrow{\div 3} \xrightarrow{-7} x = \sqrt{\frac{y-7}{3}}$	O $y = \sqrt{2x}$ $x = 2y^2$	P $y = \frac{3x^2}{4}$ $x = \sqrt{\frac{4y}{3}}$

TRUE or FALSE?

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A $y = 3x + 5$

$x \xrightarrow{\times 3} \xrightarrow{+5} y$




B $\frac{x + 4}{2} = y$

$x \xrightarrow{\div 2} \xrightarrow{+4} y$




C $y = \frac{x}{3} - 6$

$\xrightarrow{\div 3} \xrightarrow{-6} y$



D $y = \frac{2x + 7}{4}$


$\xrightarrow{\times 2} \xrightarrow{+7} \xrightarrow{\div 4} y$



E

$x \xleftarrow{\div 3} \xleftarrow{-7} y$


$x = \frac{y}{3} - 7$



F

$x \xleftarrow{-4} \xleftarrow{\times 7} y$

$y = 7x - 4$




G $y = 2x + 3$

$\xrightarrow{\times 2} \xrightarrow{+3} y$

$\xleftarrow{\div 2} \xleftarrow{-3} y$

$x = \frac{y - 3}{2}$




H $y = \frac{x}{4} - 5$

$\xrightarrow{\div 4} \xrightarrow{-5} y$


$\xleftarrow{\times 4} \xleftarrow{+5} y$

$x = 4y + 5$



I $y = 3x + 1$

$x = \frac{y - 3}{1}$




J $y = 5x^2$

$\xrightarrow{Sq} \xrightarrow{\times 5} y$


$\xleftarrow{SqR} \xleftarrow{\div 5} y$

$x = \sqrt{\frac{y}{5}}$




K $y = \frac{x}{4} + 6$

$x = 4y - 24$




L $y = 3(x + 3)$

$x = \frac{y - 6}{3}$



M $y = \frac{2x + 3}{4}$

$\xrightarrow{\times 3} \xrightarrow{+2} \xrightarrow{\div 4} y$




N $y = 3x^2 + 7$

$\xrightarrow{Sq} \xrightarrow{\times 3} \xrightarrow{+7} y$


$\xleftarrow{SqR} \xleftarrow{\div 3} \xleftarrow{-7} y$

$x = \sqrt{\frac{y - 7}{3}}$



O $y = \sqrt{2x}$

$x = 2y^2$



P $y = \frac{3x^2}{4}$

$x = \sqrt{\frac{4y}{3}}$

