16. $y = \sqrt{5x - 3}$

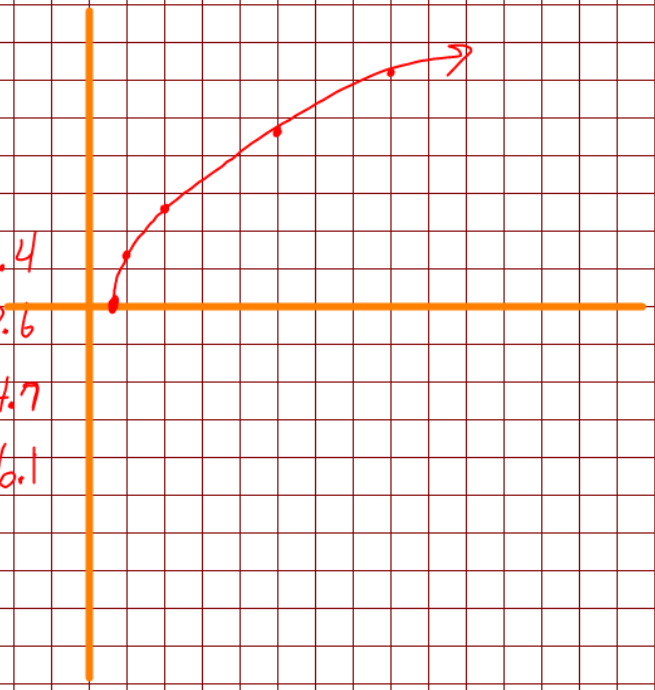
$5x - 3 \geq 0$

$5x \geq 3$

Domain $x \geq \frac{3}{5}$

Range $y \geq 0$

X	Y
$\frac{3}{5}$	0
1	$\sqrt{2} \approx 1.4$
2	$\sqrt{7} \approx 2.6$
5	$\sqrt{22} \approx 4.7$
8	$\sqrt{37} \approx 6.1$



30

$y = \sqrt{x - 2}$

radicand ≥ 0

$x - 2 \geq 0$

Domain $x \geq 2$

$-2 \quad -2$

$y = -\sqrt[45]{2x - 4} + 137$

$y = -\sqrt{3x - 6} + 4$

$\sqrt{4x - 8}$

19 $y = \sqrt{3x-6} + 4$

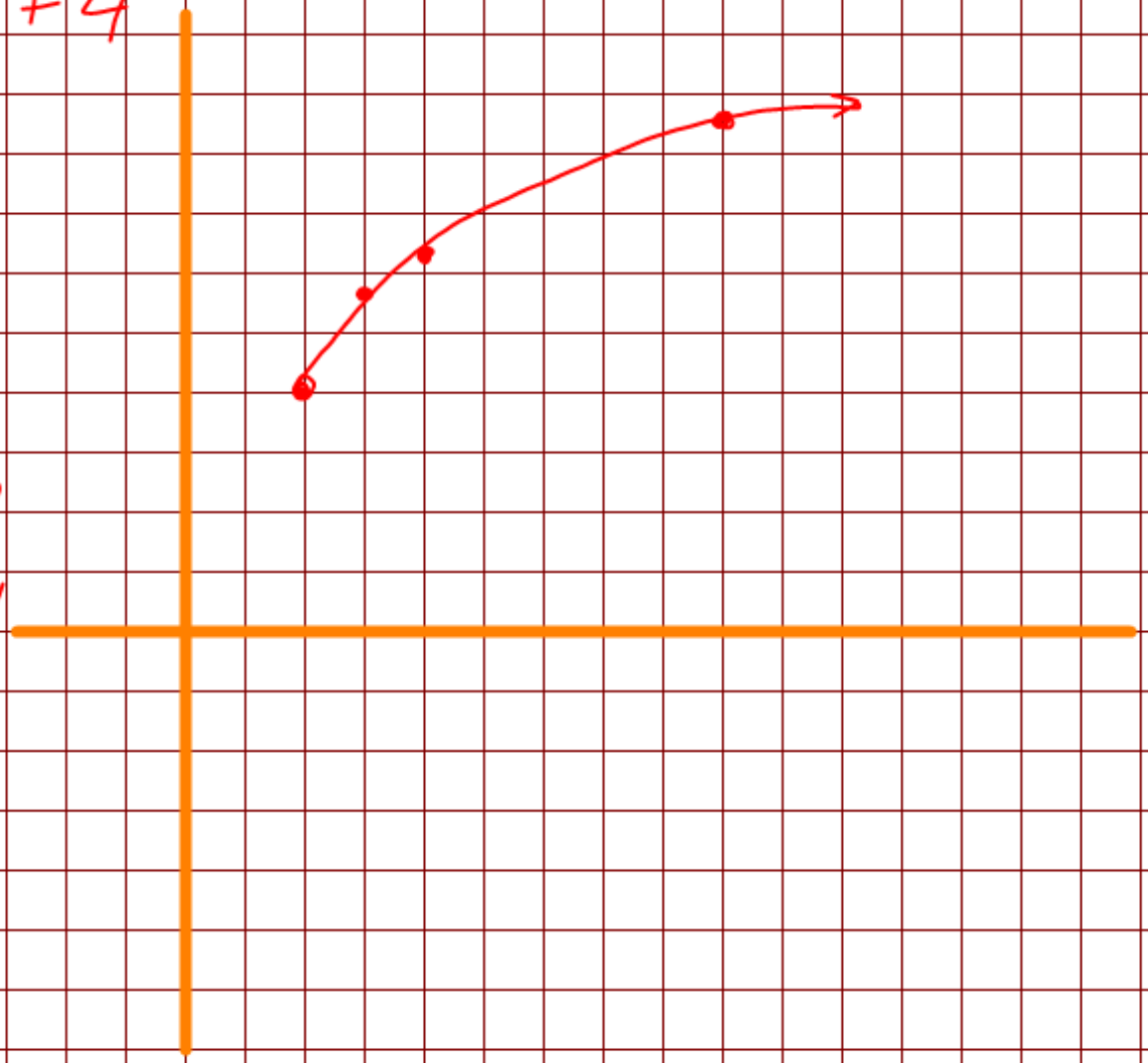
$3x - 6 \geq 0$

$3x \geq 6$

Domain $x \geq 2$

Range $y \geq 4$

x	y
2	4
3	≈5.7
4	≈6.4
9	≈8.6



20. $y = 2\sqrt{3 - 4x} + 3$

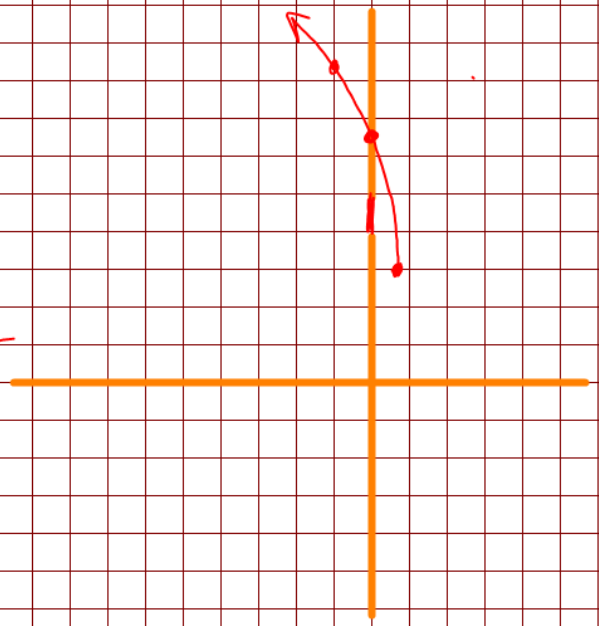
$3 - 4x \geq 0$

$-4x \geq -3$

Domain $x \leq \frac{3}{4}$

Range $y \geq 3$

x	y
$\frac{3}{4}$	3
0	6.5
−1	8.3
−4	11.7
~~−8~~	



doubles

$\frac{1}{6} \times \frac{1}{6} \times \frac{1}{6} = \frac{1}{216}$

$\frac{3}{6}$ $\frac{6}{26}$

$\frac{1}{2} \times \frac{3}{13} = \frac{3}{26}$

$\sqrt{x}$ $\sqrt[x]{y}$

$\boxed{x^2}$ $\boxed{\wedge}$ OR $\boxed{y^x}$

$\sqrt[3]{27} = 3$ $3\boxed{\sqrt[x]{}}27$

$\sqrt[4]{16} = 2$