

1.

(a) $x = \frac{2-a^2c}{b^2}$

(b) $x = \frac{c}{ab-1}$

(c) $x = 3, \frac{1}{4}$

(d) $x = -3 \pm \sqrt{8}$

(e) $x = -1$

(f) $x = 4, -\frac{4}{3}$

2. $[8, \infty), \{x: x \geq 8\}$

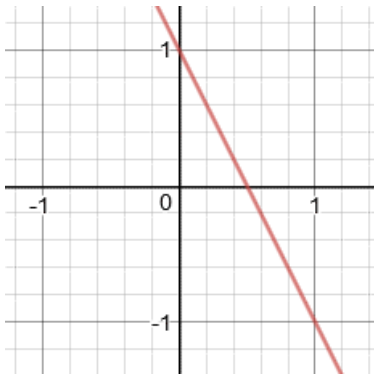
3.

(a) 36, 6

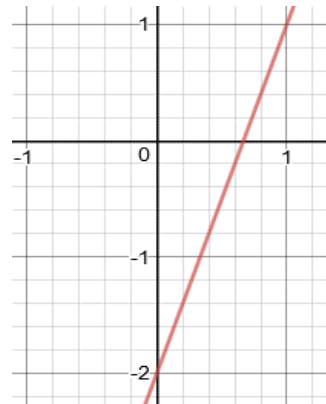
(b) $\frac{1}{9}, \frac{1}{3}$

4.

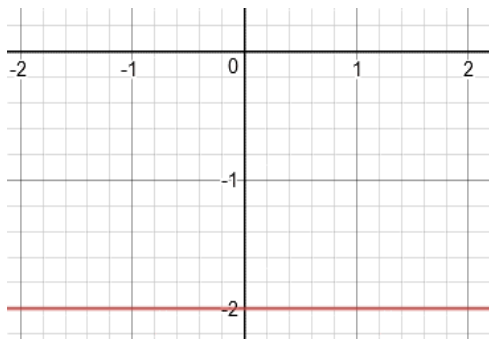
A) $y = -2x + 1$



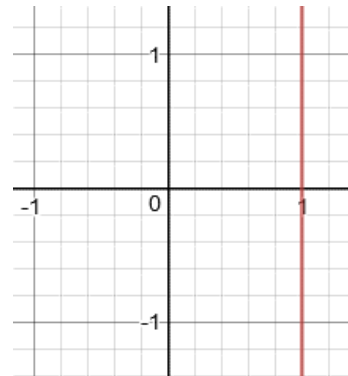
B) $y = 3x - 2$



C) $y = -2$



D) $x = 1$



5. 8 cm

6. $28l + 42w$

7. $V = x^2h, A = x^2 + 4xh$

8. $C = 2\pi r, A = \pi r^2$