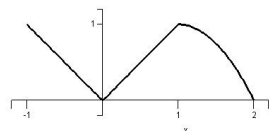


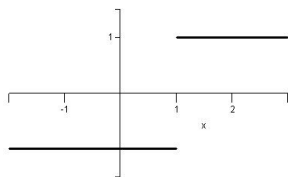
Ekst

Auditorieøving 1. Mandag 20. august.

1. (a) $x = 1, x = 9$
 (b) $x \geq 1$
 (c) $1 \leq x \leq 9$
 (d) $x \in (-\infty, -3/2) \cup (1/2, \infty)$
2. $y = -3x + 10$



3. (a)



- (b)

4. (a) $V(A) = \frac{A^{3/2}}{6\sqrt{\pi}}$
 (b) $A(x) = \frac{x^2}{4^2} + \frac{(100-x)^2}{4\pi}$

5. $x = -1, x = 0, x = \frac{1}{2}$

6. (a) $\sum_{r=4}^9 (-1)^r r^2$
 (b) $\sum_{j=0}^7 (\frac{1}{2})^j$
 (c) $\sum_{k=1}^n \sin \frac{k\pi}{n}$

Ekstraufordringer: $y = \frac{1}{3}x + \frac{10}{3}$ og omtrent $\frac{2}{\pi}10^{200}$. Ekstra-ekstraufordring: akkurat to, litt mer enn to eller litt mindre enn $\frac{2}{\pi}10^{200}$?