

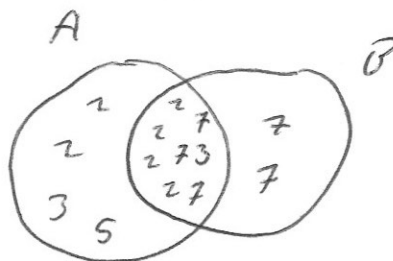
Enlarge the rectangle by scale factor -2 , centre of enlargement $(-2, 0)$

$$A = 2^6 \times 3^2 \times 5 \times 7^3$$

$$B = 2^4 \times 3 \times 7^5$$

Find the highest common factor (HCF) of A and B

$$2 \times 2 \times 2 \times 2 \times 3 \times 7 \times 7 \times 7 = 16464$$



The first three terms of a geometric sequence are

$$\sqrt{2} \quad 2 \quad 2\sqrt{2} \quad \overset{\times\sqrt{2}}{\curvearrowright} \quad 4$$

Find the fourth term.

Simplify

$$\frac{x^2 - 2x - 8}{x^2 + 6x - 40} \quad \frac{(x-4)(x+2)}{(x-4)(x+10)}$$

$$\frac{x+2}{x+10}$$