

D2

$$(26) \text{ a) } 1584 = 4 \cdot 396 = 4 \cdot 6 \cdot 66 = 4 \cdot 36 \cdot 11 = 2^2 \cdot 6^2 \cdot 11 \quad \times$$

$$\text{b) } 675 = 5 \cdot 5 \cdot 3^3 = 5^2 \cdot 3^3 \quad \times$$

$$\text{c) } 432 \cdot 12 = 4 \cdot 108 \cdot 4 \cdot 3 = 4^2 \cdot 4 \cdot 27 \cdot 3 = 2^4 \cdot 2^2 \cdot 3 \cdot 3 \cdot 3 =$$

$$\text{Pz } \text{d) } 60 \cdot 350 = 10^2 \cdot 6 \cdot 8810 = 10^2 \cdot 6 \cdot 2 \cdot 49 = 2^2 \cdot 2^2 \cdot 3 \cdot 7^2 \text{ jāstie kvadrāt}$$

$$= 10^2 \cdot 2^2 \cdot 3 \cdot 7^2 \text{ wje}$$

$$(27) \text{ a) } -4 \cdot \left(-\frac{1}{2}\right)^2 + \left(-\frac{1}{3}\right)^2 \cdot 9 = -4 \cdot \frac{1}{4} + \frac{1}{9} \cdot 9 = -1 + 1 = 0$$

$$\text{DB} \rightarrow \text{b) } \left(-\frac{1}{2}\right)^2 \cdot 4 - 4 \cdot \left(-\frac{1}{2}\right)^2 = \left(-\frac{1}{2}\right)^2 \cdot 4 - 4 \cdot \left(-\frac{1}{2}\right)^2 = \frac{1}{4} \cdot 4 - \frac{4}{4} = 1 - 1 = 0$$

$$(28) \text{ a) } (13 + (-7))^2 = 6^2 = 36$$

$$\text{b) } 13^2 + (-7)^2 = 169 + 49 = 218$$

$$\text{c) } (13 - (-7))^2 = 20^2 = 400$$

$$\text{d) } 13^2 - (-7)^2 = 169 - 49 = 120$$

$$(29) \text{ b) } 0,4 + (-0,2)^2 + (1 + 1)^2 - (1 - \frac{1}{3})^2 - (2,5)^2 =$$

$$= \frac{4}{10} + \left(-\frac{1}{5}\right)^2 + \left(\frac{2}{1}\right)^2 - \left(-\frac{2}{3}\right)^2 - \left(-\frac{5}{2}\right)^2 =$$

$$= \frac{4}{10} + \frac{1}{25} + \frac{4}{1} - \frac{4}{9} - \frac{25}{4} =$$

$$= \frac{10 + 1 - 36}{25} + \frac{9 - 25}{4} = -\frac{25}{25} + \frac{-16}{4} = -1 - 4 = -5$$

$$(64) \text{ a) } \sqrt{729} = \sqrt{9 \cdot 81} = \sqrt{3^2 \cdot 9^2} = 3 \cdot 9 = 27$$

$$\text{DB } \text{b) } \sqrt{196} = \sqrt{4 \cdot 49} = \sqrt{2^2 \cdot 7^2} = 2 \cdot 7 = 14$$

$$(65) \text{ P}_{\square} = P_{\square}$$

$$a' = 0 \quad h_0 = 2,7 \cdot 0,3 = 9 \cdot 0,3 \cdot 0,3 = 5^2 \cdot 0,3$$

$$a = 3 \cdot 0,3 = 0,9$$

P2 (63) $P_{\square} = P_{\square}$

$O_{\square} = ?$ $P_{\square} = 8 \cdot 18 = 144 = 12 \cdot 12 = a^2 = P_{\square}$

$a = 12$ $O_{\square} = 4 \cdot 12 = 48$

(a) $\sqrt{\left(-1\frac{3}{4}\right)^2} + \sqrt{1 + \frac{9}{16}} = 3 ?$

$\sqrt{\left(-\frac{7}{4}\right)^2} + \sqrt{\frac{25}{16}} = \frac{7}{4} + \frac{5}{4} = \frac{12}{4} = 3$

(b) $\sqrt{(-3)^2} - \sqrt{15\frac{3}{4}} \cdot \sqrt{1\frac{3}{4}} = 0$

$3 - \sqrt{\frac{63}{4}} = 3 - \sqrt{9} = 3 - 3 = 0$

(c) $\sqrt{8\frac{2}{5}} + \sqrt{\frac{35}{6}} + \sqrt{\frac{2}{16}} = \frac{16}{5} = 2$

$\sqrt{\frac{42}{5}} + \sqrt{\frac{2 \cdot 8}{25}} = \sqrt{\frac{64}{5 \cdot 5}} + \sqrt{\frac{16}{25}} = \frac{8}{5} + \frac{4}{5} = \frac{12}{5} = 2$