

T 26.

$$a = (-2) \cdot (-5) = 10$$

$$b = \sqrt{9} = 3$$

$$a - b^3 = 10 - 3^3 = 10 - 27 = -17$$

T 25

$$a = (-6) : 2 = -3$$

$$b = \frac{2}{3} \cdot 10^2 = 4$$

$$b - a = 4 - (-3) = 7$$

T 24

$$a = -6 + 10 = 4$$

$$b = \frac{1}{9} : \frac{2}{3} = \frac{1}{9} \cdot \frac{3}{2} = \frac{1}{6}$$

$$a - b^{-1} = 4 - \left(\frac{1}{6}\right)^{-1} = 4 - 6 = -2$$

T 23

$$a = 2^3 - 3^2 = 8 - 9 = -1$$

$$b = \sqrt{\frac{1}{9}} = \frac{1}{3}$$

$$a + b = -1 + \frac{1}{3} = -\frac{3}{3} + \frac{1}{3} = -\frac{2}{3}$$

T 22

$$a = 5,3 - 4^0 = 5,3 - 1 = 4,3$$

$$10a - 18 = 10 \cdot 4,3 - 18 = 43 - 18 = 25$$

T 21

$$a = 7,4 - 3,4 = 4$$

$$b = \frac{39}{7} : \frac{14}{3} = 6$$

$$a - b = 4 - 6 = -2$$

T 20

$$a = 8 - 10 = -2$$

$$b = \frac{1}{12} \cdot 4 = \frac{1}{3}$$

$$b^a = \left(\frac{1}{3}\right)^{-2} = 3^2 = 9$$

T 19

$$a = (-2)^3 = -8$$

$$b = \frac{3}{8} \cdot \frac{1}{3} = \frac{1}{8}$$

$$a \cdot b = -8 \cdot \frac{1}{8} = -1$$

T 18

$$a = 3 - 4 = -1$$

$$b = \sqrt{\frac{9}{16}} = \frac{3}{4}$$

$$b^a = \left(\frac{3}{4}\right)^{-1} = \frac{4}{3} = 1\frac{1}{3}$$

T 17

$$a = -8 + 6 = -2$$

$$b = \frac{2 \cdot 10}{3} \cdot \frac{9}{5} = 6$$

$$2a + b = 2 \cdot (-2) + 6 = -4 + 6 = 2$$

T16

$$a = -7 + 9 = 2$$

$$b = \frac{3}{7} \cdot \frac{21^3}{5} = \frac{9}{5}$$

$$b^a = \left(\frac{9}{5}\right)^2 = \boxed{\frac{81}{25}}$$

T15

$$a = -3 - 10 = -13$$

$$b = -\frac{5}{9} \cdot \frac{27^3}{10^2} = -\frac{3}{2}$$

$$a - 4b = -13 - 4 \cdot \left(-\frac{3}{2}\right) = -13 + 6 = \boxed{-7}$$

T14

$$a = \left(\sqrt{\frac{1}{4}}\right)^{-1} = \left(\frac{1}{2}\right)^{-1} = 2$$

$$b = \frac{15}{7} \cdot \frac{14^2}{9^3} = \frac{1}{3}$$

$$b^a = \left(\frac{1}{3}\right)^2 = \boxed{\frac{1}{9}}$$

T13

$$a = (-1)^2 + 2^0 = 1 + 1 = 2$$

$$b = \left(-\frac{3}{8}\right) \cdot \left(-\frac{6^3}{5}\right) = \frac{9}{20}$$

$$a \cdot b = 2 \cdot \frac{9}{20} = \boxed{\frac{9}{10}}$$

T12

$$a = \frac{3}{4} \cdot \frac{12^3}{7} = \frac{9}{7}$$

$$b = \sqrt{\frac{81}{49}} = \frac{9}{7}$$

$$\frac{a}{b} = \frac{9}{7} : \frac{9}{7} = \boxed{1}$$

T11

$$a = (-2)^3 + 7 = -8 + 7 = -1$$

$$b = 2 : \frac{4}{5} = 2 \cdot \frac{5}{4} = \frac{5}{2}$$

$$b^a = \left(\frac{5}{2}\right)^{-1} = \boxed{\frac{2}{5}}$$

T10

$$a = (-3) : (-1)^2 = -3 : 1 = -3$$

$$b = -75 : (-5) = 15$$

$$a \cdot b = -3 \cdot 15 = \boxed{-45}$$

T9

$$a = -3 + 5 = 2$$

$$b = \frac{2}{3} : \frac{2}{9} = \frac{1}{3} \cdot \frac{9}{1} = 3$$

$$a^b = 2^3 = \boxed{8}$$

T8

$$a = -7 + 9 = 2$$

$$b = \frac{24}{8} \cdot \frac{9^3}{1} = 6$$

$$\frac{b}{a} = \frac{6}{2} = \boxed{3}$$

T7

$$a = -2 - 3 = -5$$

$$b = 2 : \frac{10}{3} = 2 \cdot \frac{3}{10} = \frac{3}{5}$$

$$a \cdot b = -5 \cdot \frac{3}{5} = \boxed{-3}$$

T6

$$a = \sqrt{16} = 4$$

$$b = 2^{-3} = \frac{1}{2^3} = \frac{1}{8}$$

$$a \cdot b = 4 \cdot \frac{1}{8} = \boxed{\frac{1}{2}}$$