

〈解答〉

- ① (1) $-15 < -10 < +20$ (2) $-0.7 < +1.2 < +1.5$ (3) $-\frac{4}{5} < -\frac{3}{4} < -\frac{2}{3}$
- ② (1) 10 (2) -9 (3) $-\frac{4}{5}$ (4) -0.4 (5) -3 (6) -2
- ③ (1) 10 (2) -24 (3) -12 (4) 56 (5) $-\frac{1}{2}$ (6) -0.72
- (7) 350 (8) 4 (9) -4
- ④ ア 0 イ 16 ウ -6
- ⑤ (1) -6 (2) $-\frac{4}{3}$ (3) 9 (4) 1 (5) 1 (6) $-\frac{1}{6}$
- ⑥ (1) $x+6$ (2) $11x+15$
- ⑦ (1) $2000-350x$ (円) (2) $\frac{x}{y}$ (時間) (3) $5a$ (点) (4) $\frac{5}{2}a$ (円) (5) x^3 (cm^3)

配点 各1点 34点満点

〈解説〉

- ② (1) $(+6) + (+4)$ (2) $(+7) - (+16)$ (3) $(-\frac{3}{5}) + (-\frac{1}{5})$
 $=6+4$ $=7-16$ $=-\frac{3}{5}-\frac{1}{5}$
 $=10$ $=-9$ $=-\frac{4}{5}$
- (4) $(-0.9) - (-0.5)$ (5) $(-7) + (+9) + (-5)$
 $=-0.9+0.5$ $=-7+9-5$
 $=-0.4$ $=-3$
- (6) $(+2) + (-10) - (-7) + (-1)$
 $=2-10+7-1$
 $=-2$
- ③ (7) $7 \times (-2) \times (-25)$ (8) $(-2)^2$ (9) -2^2
 $=7 \times 50$ $=(-2) \times (-2)$ $=-2 \times 2$
 $=350$ $=4$ $=-4$
- ④ ア $20-20=0$ イ $20-4=16$ ウ $14-20=-6$

⑤ (1) $3 \times (-2) = -6$ (2) $-\frac{4}{9} \times 3 = -\frac{4}{3}$ (3) $-18 \div (-2) = 9$
(4) $3 - \{-(-2)\} = 3 - (+2) = 1$ (5) $3^2 - 2 \times (-2)^2 = 9 - 8 = 1$
(6) $\frac{1}{3} - \frac{1}{2} = \frac{2}{6} - \frac{3}{6} = -\frac{1}{6}$

⑥ (1) $(3x + 1) - (2x - 5) = 3x + 1 - 2x + 5 = x + 6$
(2) $5(3x + 1) - 2(2x - 5) = 15x + 5 - 4x + 10 = 11x + 15$

⑦ (1) $2000 - (350 \times x)$ (2) 時間 = 道のり \div 速度 (3) 合計 = 平均点 \times 教科数
(4) $250 \times \frac{a}{100}$ (5) 立方体の体積 = 一辺 \times 一辺 \times 一辺